



**ISTANBUL UNIVERSITY**

**WORLD CONFERENCE**

**ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP**

**“ENTREPRENEURSHIP FOR TECHNOLOGY**

**AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT”**



**Wow Istanbul Convention Center**

**May 28 - 30, 2015**



**FINAL PROGRAM**

**[www.istanbuluniversityinnovation.org](http://www.istanbuluniversityinnovation.org)**



ISTANBUL UNIVERSITY



## II. WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP

2016, ISTANBUL - TURKEY

( Istanbul University Innovation - 2016 )

**Owner of the Conference**

Prof. Mahmut Ak, Rector of the Istanbul University

**Honorary Chairperson**

Prof. Sedat Murat, Vice Rector of the Istanbul University

**Chairperson of the Conference**

Prof. Sefer Şener, Istanbul University



**ORGANIZATION SECRETARIAT  
FIGÜR CONGRESS & ORGANIZATION**

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**ISTANBUL UNIVERSITY**  
**WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP**  
*“ENTREPRENEURSHIP FOR TECHNOLOGY AND INNOVATION - BASED SUSTAINABLE DEVELOPMENT”*

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Welcome to Istanbul!

Welcome to the ***World Conference on Technology, Innovation and Entrepreneurship***.

The primary aim of the conference is to create high-value synergy by converging global scientific and business, creativity, experience, and needs, which are needed to strengthen societal well-being. In order for countries and businesses to keep pace with global competition, successful entrepreneurs must be a staple of any growing economy in a financially sustainable and humanistic way, using advanced and innovative technology. Production and sharing of these knowledge resources are critical. In this sense, the theme of the Conference is “***Entrepreneurship for Sustainable Development based on Technology and Innovation***”. Your presence here is critical and greatly appreciated so that we can achieve these goals.

The conference is under the auspices of the ***Republic of Turkey, the Ministry of Science, Industry and Technology and The Scientific and Technological Research Council of Turkey (TUBITAK)***.

Nowadays, in order for countries and businesses to cope with global competition, it is indispensable for successful entrepreneurs to contribute to the economy in an economically sustainable and humanistic way, using advanced and innovative technology. Production and sharing of this knowledge is very important. In this sense, the theme of the Conference has been selected as “***Entrepreneurship for Sustainable Development based on Technology and Innovation***.”

This conference is multidisciplinary and its aim is to tackle needs of the business and social world with important scientific developments in technology, innovation and entrepreneurship in the field of ***Life and Health Sciences, Physical and Engineering Sciences and Social Sciences***.

All the full text papers ***are indexed by ELSEVIER and published by SCIENCE-DIRECT***. The conference covers the following disciplines: Health Sciences, Life Sciences, Engineering, Chemistry, Earth Sciences, Physics, Materials Science, Computer Science and the Social & Behavioural Sciences.

We welcome you to Istanbul, with its long history of many Great Civilizations, and to Istanbul University, a university with a 560-year history and a strong scientific capacity shaping the future.

Yours Sincerely,

**Prof. Dr. Sedat Murat**  
**Conference Organization Committee President**  
**Istanbul University**  
**Vice-Chancellor**  
**Contact:** [istanbuluniversityinnovation@istanbul.edu.tr](mailto:istanbuluniversityinnovation@istanbul.edu.tr)

## Committees

### Owner of the Conference

Prof. Dr. Mahmut Ak, Rector of the Istanbul University

### Honorary Chairperson

Prof. Sedat Murat, Vice Rector of the Istanbul University

### Chairperson of the Conference

Prof. Sefer Şener, Istanbul University

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Prof. Halim Kazan, Istanbul University

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08:00 - 10:00 REGISTRATION

Time	HALL 1
10:00 - 11:10	<p><b>Opening Ceremony</b></p> <p><b>Prof. Sedat Murat</b>, <i>Vice Rector of the Istanbul University and Conference President</i></p> <p><b>Prof. Mahmut Ak</b>, <i>Rector of the Istanbul University</i></p> <p><b>Fikri Işık</b>, <i>Minister of Science, Industry and Technology, Republic of Turkey</i></p>
11:15 - 12:25	<p><b>Chairman: Prof. David Anderson</b></p> <p><b>Keynote Speaker: Dominique Guellec</b> Head of the Country Studies and Outlook (CSO) Division, Directorate for Science, Technology and Industry, OECD Government Policies for Supporting Innovative Entrepreneurship</p> <p><b>Keynote Speaker: Prof. Stefan Schepers</b> Secretary General High Level Group on EU Innovation Policy Management Innovation Ecosystems : The Way to Ensure Economic Progress and Social Well-being</p>
12:30 - 13:30	LUNCH

May 28, 2015, Thursday (1 <sup>st</sup> Day)									
Time	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9
13:40 - 14:50	Oral Presentations OP-001 / OP-006	Oral Presentations OP-025 / OP-030	Oral Presentations OP-048 / OP-053	Oral Presentations OP-070 / OP-074	Oral Presentations OP-093 / OP-098	Oral Presentations OP-118 / OP-123	Oral Presentations OP-143 / OP-148	Oral Presentations OP-168 / OP-173	Oral Presentations OP-191 / OP-196
14:50 - 16:00	Oral Presentations OP-007 / OP-012	Oral Presentations OP-031 / OP-035	Oral Presentations OP-054 / OP-058	Oral Presentations OP-075 / OP-081	Oral Presentations OP-099 / OP-105	Oral Presentations OP-124 / OP-129	Oral Presentations OP-149 / OP-155	Oral Presentations OP-174 / OP-179	Oral Presentations OP-197 / OP-203
16:00 - 16:30	COFFEE BREAK								
16:30 - 17:40	Oral Presentations OP-013 / OP- 018	Oral Presentations OP-036 / OP-041	Oral Presentations OP-059 / OP-063	Oral Presentations OP-082 / OP-087	Oral Presentations OP-106 / OP-111	Oral Presentations OP-130 / OP-135	Oral Presentations OP-156 / OP-161	Oral Presentations OP-180 / OP-184	Oral Presentations OP-204 / OP-208
17:40 - 18:50	Oral Presentations OP- 019 / OP- 024	Oral Presentations OP-042 / OP-047	Oral Presentations OP-064 / OP-069	Oral Presentations OP-088 / OP-092	Oral Presentations OP-112 / OP-117	Oral Presentations OP-136 / OP-141	Oral Presentations OP-162 / OP-167	Oral Presentations OP-185 / OP-190	Oral Presentations OP-209 / OP-215
19:00	WELCOME RECEPTION								

May 29, 2015, Friday (2 <sup>nd</sup> Day)									
Time	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9
09:00 - 10:10	Oral Presentations OP-216 / OP-222	Oral Presentations OP-239 / OP-245	Oral Presentations OP-273 / OP-278	Oral Presentations OP-304 / OP-310	Oral Presentations OP-341 / OP-346	Oral Presentations OP-374 / OP-379	Oral Presentations OP-409 / OP-414	Oral Presentations OP-444 / OP-450	Oral Presentations OP-482 / OP-488
	Hall 1								
10:20 - 10:50	<i>Keynote Speaker</i> Prof. Dr. Jarko Fidrmuc Zeppelin University  Institutions and Creative Destruction in Central and Eastern European Countries: Determinants of Inefficient Use of Assets								
10:50 - 11:20	COFFEE BREAK								
11:20 - 12:30	Oral Presentations OP-223 / OP-228	Oral Presentations OP-246 / OP-251	Oral Presentations OP-279 / OP-281	Oral Presentations OP-311 / OP-316	Oral Presentations OP-347 / OP-352	Oral Presentations OP-380 / OP-385	Oral Presentations OP-415 / OP-419	Oral Presentations OP-451 / OP-455	Oral Presentations OP-489 / OP-494
12:30 - 13:40	LUNCH								
13:40 - 14:50	PANEL 1	Oral Presentations OP-252 / OP-257	Oral Presentations OP-282 / OP-287	Oral Presentations OP-317 / OP-321	Oral Presentations OP-353 / OP-359	Oral Presentations OP-386 / OP-391	Oral Presentations OP-420 / OP-425	Oral Presentations OP-456 / OP-462	Oral Presentations OP-495 / OP-500
14:50 - 16:00	PANEL 2	Oral Presentations OP-258 / OP-261	Oral Presentations OP-288 / OP-292	Oral Presentations OP-322 / OP-327	Oral Presentations OP-360 / OP-362	Oral Presentations OP-392 / OP-397	Oral Presentations OP-426 / OP-431	Oral Presentations OP-463 / OP-469	Oral Presentations OP-501 / OP-505
16:00 - 16:30	COFFEE BREAK								
16:30 - 17:40	Oral Presentations OP-229 / OP-233	Oral Presentations OP-262 / OP-267	Oral Presentations OP-293 / OP-298	Oral Presentations OP-328 / OP-333	Oral Presentations OP-363 / OP-368	Oral Presentations OP-398 / OP-403	Oral Presentations OP-432 / OP-437	Oral Presentations OP-470 / OP-475	Oral Presentations OP-506 / OP-511
17:40 - 18:50	Oral Presentations OP-234 / OP-238	Oral Presentations OP-268 / OP-272	Oral Presentations OP-299 / OP-303	Oral Presentations OP-334 / OP-340	Oral Presentations OP-369 / OP-373	Oral Presentations OP-404 / OP-408	Oral Presentations OP-438 / OP-443	Oral Presentations OP-476 / OP-481	Oral Presentations OP-512 / OP-516

May 30, 2015, Saturday (3 <sup>rd</sup> Day)									
Time	Hall 1	Hall 2	Hall 3	Hall 4	Hall 5	Hall 6	Hall 7	Hall 8	Hall 9
09:00 - 10:10	Oral Presentations OP-518 / OP-522	Oral Presentations OP-529 / OP-532	Oral Presentations OP-539 / OP-545	Oral Presentations OP-552 / OP-557	Oral Presentations OP-563 / OP-569	Oral Presentations OP-575 / OP-579	Oral Presentations OP-583 / OP-585	Oral Presentations OP-590 / OP-597	09:00 - 12:00 Video Presentations VP-001 / VP-010
	Hall 1								
10:20 - 10:50	<b>Keynote Speaker</b> Stefano Fanti Bologna University  In Vivo Imaging with Radiotracers: From Nuclear Diagnostic to Theranostic								
10:50 - 11:20	COFFEE BREAK								
11:20 - 12:30	Oral Presentations OP-523 / OP-528	Oral Presentations OP-533 / OP-538	Oral Presentations OP-546 / OP-551	Oral Presentations OP-558 / OP-562	Oral Presentations OP-570 / OP-574	Oral Presentations OP-580 / OP-581	Oral Presentations OP-586 / OP-589		
12:30 - 13:40	LUNCH								

08:00 - 10:00  
REGISTRATION

May 28, 2015, Thursday (1<sup>st</sup> Day)

Hall 1

10:00 - 11:10  
OPENING CEREMONY

OPENING SPEECHES

**Prof. Sedat Murat**

*Vice Rector of the Istanbul University and Conference President*

**Prof. Mahmut Ak**

*Rector of the Istanbul University*

**Fikri Işık**

*Minister of Science, Industry and Technology, Republic of Turkey*

11:15 - 12:25

**Chairman: Prof. David Anderson**

**Keynote Speaker: Dominique Guellec**

Head of the Country Studies and Outlook (CSO) Division, Directorate for Science, Technology and Industry, OECD

Government Policies for Supporting Innovative Entrepreneurship

**Keynote Speaker: Prof. Stefan Schepers**

Secretary General High Level Group on EU Innovation Policy Management

Innovation Ecosystems: The Way to Ensure Economic Progress and Social Well-being

12:30 - 13:30

LUNCH

13:40 - 14:50 SESSION 1

HALL 1

Chairman: *Jarko Fidrmuc*

- OP-001 **A Comparative Assessment of Turkey for its Status and Readiness for Knowledge Society from Human Capital Perspective**  
*Muammer Koc*
- OP-002 **Prospective Human Capital: How Materialistic are Thai College Students? An Analysis of Spending Tendencies and Debts**  
*Phaninee Naruetharadhol, Chavis Kerkaew, Pornwadee Kerdpech, Praphasorn Kaoplod, Rattiporn Kannarat*
- OP-003 **A Research on Job Satisfaction Factors of Private Entrepreneurs: The Case of Beylikduzu Organized Industrial Zone**  
*Ayşegül Ertuğrul, Evren Ayrancı*
- OP-004 **Testing The Impact of Unemployment on Self-Employment: Empirical Evidence from OECD Countries**  
*Ferda Halicioğlu, Sema Yolaç*
- OP-005 **Levels of Job Satisfaction Among Engineers in a Malaysian Local Organisation**  
*Rahman Hashim*
- OP-006 **Business World-University Cooperation Interfaces Perception of Faculty Members**  
*Murat Yalçıntaş, Cihan Çiflikli Kaya, Başar Kaya*

13:40 - 14:50 SESSION 1

HALL 2

Chairman: *Bahadır Akçam*

- OP-025 **Entrepreneurship Education at Universities: Suggestion for a Model Using Financial Support**  
*Eşref Savaş Başcı, Reha Metin Alkan*
- OP-026 **Conceptual Development of Academic Entrepreneurial Intentions Scale**  
*Ufuk Özgül, Özlem Kunday*
- OP-027 **A New Approach in Preschool Education: Social Entrepreneurship Education**  
*Muammer Sarıkaya, Eda Coşkun*
- OP-028 **Exploring Business Student Perception of Information and Technology**  
*Bahadır K Akcam, Hakan Hekim, Ahmet Guler*
- OP-029 **Identification of Factors Affecting Organizational Entrepreneurship In Selected Sama Technical Schools**  
*Hooshang Maktabi, Mehdi Babakhanian*
- OP-030 **Evaluation of a Pay for Performance Scheme in Maternity Care: The Commissioning Quality and Innovation Payment Framework in England**  
*Merve Ertok*

13:40 - 14:50 SESSION 1

HALL 3

Chairman: *Tanyel Özelçi Ecerel*

- OP-048 **Innovating General Aviation MRO's through IT: The Sky Aircraft Management System - SAMS**  
*Çaglar Ucler, Orhan Gok*
- OP-049 **The Moderating Effect of Global Competitiveness Index on Dimensions of Logistics Performance Index**  
*Murat Çemberci, Mustafa Emre Civelek, Neslihan Canbolat*
- OP-050 **Turkish Passenger Characteristics and Approach to Self Service Applications Provided by Turkish Air Transport Corporations**  
*Selva Staub, Suat Teber*
- OP-051 **Incentive Mechanisms in Industrial Development: An Evaluation Through Defence and Aviation Industry of Ankara**  
*Tanyel Özelçi Ecerel, Bilge Armatlı Köroğlu*
- OP-052 **Human Capital and Innovation Capacity of Firms in Defense and Aviation Industry in Ankara**  
*Bilge Armatlı Köroğlu, Tanyel Özelçi Ecerel*
- OP-053 **Measuring or Support ? AiR -a pilot Project on Support Systems for Innovation In Industrial Automation Companies**  
*Jennie Schaeffer, Helena Karlsson, Karolina Winbo*

## 13:40 - 14:50 SESSION 1

HALL 4

Chairman: *Mithat Zeki Dinçer*

OP-070 **Environmental Regulation Becomes Restriction or a Cause for Innovation – A case of Toyota Prius and Nissan Leaf**  
*Sajit Chandra Debnath*

OP-071 **SME Firm Performance - Financial Innovation and Challenges**  
*Anthony Abiodun Eniola, Harry Entebang*

OP-072 **Effect of Management Factor's on Employee Job Satisfaction; an Application in the Telecommunication Sector**  
*Nagihan Yıldız Tepret, Kadir Tuna*

OP-073 **Upper Echelon Theory Revisited: The relationship between CEO Personal Characteristics and Financial Leverage Decision**  
*Irene Wei Kiong Ting, Noor Azlinna Azizan, Qian Long Kweh*

OP-074 **The Determination of Panel Causality Analysis on the Relationship Between Economic Growth and Primary Energy Resources Consumption of Turkey and Central Asian Turkish Republics**  
*Canan Şentürk, Ceyda Şataf*

## 13:40 - 14:50 SESSION 1

HALL 5

Chairman: *Ali Akdemir*

OP-093 **Sustainability in Construction Sector**  
*Mustafa Yılmaz, Adem Bakış*

OP-094 **Stress-Strain State of Two Diagonal Cavities Weighty Inclining Layered Massif System with Shears in Terms of Elastic-Creep Deformations**  
*Tursinbay Turymbetov, Nurlan Azhikhanov, Nurseit Zhunissov, Zhenis Aimeshov*

OP-095 **Study of Granulated Blast Furnace Slag as Fine Aggregates in Concrete for Sustainable Infrastructure**  
*Gaurav Singh, Souvik Das, Abdulaziz Abdullahi Ahmed, Showmen Saha, Somnath Karmakar*

OP-096 **Split Tensile Strength of Self-Compacting Concrete Containing Coal Bottom Ash**  
*Mohd Haziman Wan Ibrahim, Ahmad Farhan Hamzah, Norwati Jamaluddin, Ramadhansyah Putra Jaya, Mohd Fadzil Arshad*

OP-097 **Development of Building Damage Functions for Big Earthquakes in Turkey**  
*Diaa Gadelmawla, Güvenç Arslan*

OP-098 **Innovative Crisis Management in Construction: Approaches and the Process**  
*Selim Şahin, Serdar Ulubeyli, Aynur Kazaz*

## 13:40 - 14:50 SESSION 1

HALL 6

Chairman: *Süleyman Özdemir*

OP-118 **Artificial Neural Network and Agility**  
*Selva Staub, Emin Karaman, Seyit Kaya, Hatem Karapınar, Elçin Güven*

OP-119 **The Effectiveness of 8 Weeks Physical Activity Programme Among Obese Students**  
*Norkhalid Salimin, Gunathevan Elumalai, Mohd Izwan Shahril, Gobinath Subramaniam*

OP-120 **Employment Oriented Case Study of the Individuals with Down Syndrome - Smiling Faces**  
*Mehmet Levent Kocaalan*

OP-121 **Consumers' and Physicians' Perceptions about High Tech Wearable Health Products**  
*Suphan Nasir, Yigit Yurder*

OP-122 **A Research for People to Determine the Relationship Between Oral Hygiene and Socio-Economic Status**  
*Nurdan Colakoglu, Ladise Has*

OP-123 **The Evaluation of The Effects of Socio -Demographic Factors on Oral and Dental Health: A Study on the Ages 6-12**  
*Nurdan Colakoglu, Ethem Has*

## 13:40 - 14:50 SESSION 1

HALL 7

Chairman: *Lulzime Kamberi*

- OP-143 **The Validity and Reliability of ISO Test Towards Future Physical Education Teachers Performance Assessment in Teaching and Learning Process**  
*Mohd Izwan Izwan Shahril, Norkhalid Norkhalid Salimin, Gunathevan Gunathevan Elumalai*
- OP-144 **The Usage of 'Turnitin' as an Innovative Educational Tool: Inculcating Critical Thinking in Integrating Naqli and Aqli for Subject of Malaysian Economy**  
*Fuadah Johari*
- OP-145 **Personalized Learning Environment: Alpha Testing, Beta Testing & User Acceptance Test**  
*Che Ku Nuraini Che Ku Mohd, Faaizah Shahbodin*
- OP-146 **Linguistic Change and Identity**  
*Hanane Sarnou*
- OP-147 **Determinants of International College Student's Performance in Mathematics**  
*Chavis Ketkaew, Phaninee Naruetharadhol*
- OP-148 **Using Blogs in EFL Teaching - A Case Study of Macedonia**  
*Lulzime Kamberi*

## 13:40 - 14:50 SESSION 1

HALL 8

Chairman: *Sulong Abu Bakar*

- OP-168 **Application of Neutron Activation Analysis for Heavy Oil Production Control**  
*Valeria Kornienko, Petr Avtonomov*
- OP-169 **Suitability of Biochar Produced from Biomass Waste as Soil Amendment**  
*Nur Shahidah Ab Aziz, Mohd Adib Mohd Nor, Shareena Fairuz Abdul Manaf*
- OP-170 **Acidogenesis of Palm Oil Mill Effluent to Produce Biogas: Effect of Hydraulic Retention Time and pH**  
*Bambang Trisakti*
- OP-171 **Enhancement of Eco-Efficiency Through Life Cycle Assessment in Crumb Rubber Processing**  
*Seri Maulina, Nik Meriam Nik Sulaiman, Noor Zalina Mahmood*
- OP-172 **Enzymatic Transesterification of DPO to Produce Biodiesel by Using *Lypozime RM IM* in Ionic Liquid System**  
*Renita Manurung, Rosdanelli Hasibuan, Taslim Taslim, Nur Sri Rahayu, Aira Darusmy*
- OP-173 **An Experimental Study About Determination of Transesterification Reaction Parameters Giving the Lowest Viscosity Waste Cooking Oil Biodiesel**  
*Atilla Bilgin, Mert Gülim, Ihsan Koyuncuoğlu, Elif Naç, Abdülvahap Çakmak*

## 13:40 - 14:50 SESSION 1

HALL 9

Chairman: *Nattapong Kongprasert*

- OP-191 **Do Demographic Characteristics Make a Difference on Housing Investment Preferences? Household Survey for Istanbul**  
*Cansu Şarkaya İçellioğlu*
- OP-192 **Innovation for a New Tax Incentive: Patent Box Regime Turkey and the European Union Application**  
*Ayşe Yiğit Şakar*
- OP-193 **Election of Deputy Candidates for Nomination with AHP-PROMETHEE Methods**  
*Halim Kazan, Salih Özçelik, Elif Haykır Hobikoğlu*
- OP-194 **Is Turkey's "Technological Balance of Payments" Balanced?**  
*Hatice Özkurt Çokgüngör*
- OP-195 **Urban System of Innovation: Main Agents and Main Factors of Success**  
*Maria Markatou, Efstratia Alexandrou*
- OP-196 **The Role of Taxation Problems on the Development of E-Commerce**  
*Burcu Kuzucu Yapar, Seda Bayrakdar, Mustafa Yapar*

## 14:50 - 16:00 SESSION 2

HALL 1

Chairman: *David Anderson*

- OP-007 **The Effects of Leader's Behavior on Job Satisfaction: A Research on Technology Fast50 Turkey Companies**  
*Buket Akdol, F. Sebnem Arikboga*
- OP-008 **Characteristics and Attitudes of Entrepreneurs Towards Entrepreneurship**  
*Şükrü Gedik, Mehmet Miman, Serdar Kesici*
- OP-009 **Things have Changed: Making and the Future of Entrepreneurship**  
*Eric Joseph Van Holm*
- OP-010 **Incentives to Promote Entrepreneurship in Greece: Results Based on the 'New Innovative Entrepreneurship' Program**  
*Maria Markatou*
- OP-011 **Success Factors of Lebanese SMEs: An Empirical Study**  
*Lina Mohamad Kemayel*
- OP-012 **The Economic Contribution of Turkish Tourism Entrepreneurship on the Development of Tourism Movements in Islamic Countries**  
*Mithat Zeki Dinçer, Füsun İstanbullu Dinçer, Selman Yılmaz*

## 14:50 - 16:00 SESSION 2

HALL 2

Chairman: *Özcan Karahan*

- OP-031 **Analysis of The World's Most Innovative Companies on the Basic of Industry: 2005-2014**  
*Aysel Erciş, Musa Ünal*
- OP-032 **An Empirical Study Regarding Entrepreneurship in Europe and Central Asia**  
*Sema Yolaç*
- OP-033 **Factors for Increasing the Competitiveness of Small and Medium Enterprises (SMES) in Bulgaria**  
*Sibel İlhanova Ahmedova*
- OP-034 **Economic and Social Benefits that can be Obtained by a Combination of Innovation and Corporate Entrepreneurship activities in Turkish companies**  
*Yavuz Çingitay, Zümri Ecevit Satı*
- OP-035 **Determinant Factors of E-commerce Adoption by SMEs in Developing Countries: Evidence from Indonesia**  
*Rita Rahayu*

## 14:50 - 16:00 SESSION 2

HALL 3

Chairman: *Selva Staub*

- OP-054 **Increasing Importance of Entrepreneurship and Support and Facilities Provided to Entrepreneurs in Turkey**  
*Ali Şahin Örnek, Yasin Danyal*
- OP-055 **Comparative Analysis in the Frame of Business Establishment Criteria and Entrepreneurship Education from the Viewpoint of Economy Policies Supported by Innovative Entrepreneurship**  
*Elif Haykır Hobikoğlu, Bahar Şanlı Gülbahar*
- OP-056 **An Investigation of the Effects of Open Leadership to Organizational Innovativeness and Corporate Entrepreneurship**  
*Tuna Uslu, İdil Ayça Bülbül, Duygu Çubuk*
- OP-057 **Determination of Innovative Activities in the Dried Fruit Exporter Companies: The Case of Aegean Region**  
*Murat Kayalar, Koray Çıta, Bülent Ergani, Elif Aktekin*
- OP-058 **Designing an Innovation Engine Model and a Software Tool to Meet Large Organisations Challenges with SMEs Capabilities, a Pilot Study**  
*Luis Hernandez Munoz, Meghana Torane, Ardavan Amini*

14:50 - 16:00 SESSION 2

HALL 4

- Chairman:** *Tuncay Bayrak*
- OP-075** **Emigration of Innovative Workforce in the Light of Patent Data**  
*Özgür Topkaya*
- OP-076** **Analysis of Innovation-Based Human Resources for Sustainable Development**  
*İsmail Bircan, Funda Gençler*
- OP-077** **Organisational Knowledge: The Panacea to NGO-operations**  
*Sheikh Shamim Hasnain*
- OP-078** **A Study on the Assessment Framework for the Novelty of Idea Generated by the Analogical Thinking**  
*Eunyoung Kim, Hideyuki Horii*
- OP-079** **A Review of Business Analytics: A Business Enabler or Another Passing Fad**  
*Tuncay Bayrak*
- OP-080** **Innovation Culture and Strategic Human Resource Management in Public and Private Sector Within the Framework of Employee Ownership**  
*Tuna Ushu*
- OP-081** **Leadership in TVET for the 21st Century: Challenges, Roles and Characteristics**  
*Hadijah Ahmad, Badaruddin Ibrahim*

14:50 - 16:00 SESSION 2

HALL 5

- Chairman:** *Shinto Teramoto*
- OP-099** **Diversity Management Research as a Strategy for Sustainable Development in the Third World**  
*Ogbo Ann Ifechukwudebelu, Kifordu Anthony Anyibuofu*
- OP-100** **Factors Affecting the Internationalization Process of Small and Medium Enterprises (SMEs)**  
*Özlem Kunday, Ece Pişkinsit Şengüler*
- OP-102** **The Barriers to Increasing the Productivity in Expatriate Management: Examples in the World and Turkey**  
*Mehtap Aracı*
- OP-103** **Immigrant Entrepreneurs on the World's Successful Global Brands in the Cosmetics Industry (Case Studies: Avon Products and Estée Lauder)**  
*Nur Suhaili Ramli*
- OP-104** **Innovation Management in Global Competition and Competitive Advantage**  
*Deniz Dilara Dereli*
- OP-105** **Reverse Globalization by Internationalization of SME's: Opportunities and Challenges Ahead**  
*Binod Anand*

14:50 - 16:00 SESSION 2

HALL 6

- Chairman:** *Kadir Tuna*
- OP-124** **Properties of Hardened Concrete Produced by Waste Marble Powder**  
*Gülden Çağm Ulubeyli, Recep Artır*
- OP-126** **In Situ Copolymerization of Silver Containing Nanocomposites of Pyrrole and Thienyl End Capped Ethoxylated Nonyl Phenol by Iron (III) Chloride**  
*Görkem Ülkü, Nesrin Köken, Esin Ateş Güvel, Nilgün Kızılcan*
- OP-127** **Sustainability for Blast Furnace Slag: Use of Some Construction Wastes**  
*Gülden Çağm Ulubeyli, Recep Artır*
- OP-128** **Synthesis of Si-ZnS Core-shell Nanoparticles by Reactive Deposition of Photocatalytic ZnS Layer on the Surface of Carrier Si Nanoparticles in Aerosol Microdrops**  
*Richard Dvorsky, Ladislav Svoboda, Katerina Šollová, Jana Trojčková, Jirí Bednár, Bruno Kostura, Dalibor Matyssek, Markéta Pomiklová*
- OP-129** **Statistical Evaluation of Urea-Multiwalled Carbon Nanotubes Fertilizer Using Plackett Burman Experimental Design**  
*Norazlina Mohamad Yatim, Azizah Shaaban, Mohd Fairuz Dimin, Faridah Yusof*

## 14:50 - 16:00 SESSION 2

HALL 7

Chairman: *Smail Haddadi*

- OP-149 **Applying Minimum Quantity Lubrication (MQL) Method on Milling of Martensitic Stainless Steel by Using Nano MoS<sub>2</sub> Reinforced Vegetable Cutting Fluid**  
*Alper Uysal, Furkan Demiren, Erhan Altan*
- OP-150 **Mechanical and Physical Properties of Injection Molded Halloysite Nanotubes-Thermoplastic Polyurethane Nanocomposites**  
*Sulong Abu Bakar, Gaaz Tayser Sumer, Sahari Jaafar*
- OP-151 **Incorporating Malaysian's Population Anthropometry Data in the Design of an Ergonomic Driver's Seat**  
*Baba Md Deros*
- OP-152 **New Revolutionary Ideas of Material Processing – A Path to Biomaterial Fabrication by Rapid Prototyping**  
*Shreepad Marotrao Sarange, Ravi Mahadev Warkhedkar*
- OP-153 **Influence of Natural Rubber on Creep Behavior of Bituminous Concrete**  
*Fayssal Cheriet, Khedoudja Soudani, Smail Haddadi*
- OP-154 **Integrated System for Detection of Dangerous Materials and Illicit Objects in Cargoes**  
*Petr Avtonomov, Valeria Kornienko*
- OP-155 **Improving of Sewability Properties of Varios Knitted Fabrics with the Softeners**  
*Alime Aslı İllez, Eylene Sema Dalbaş, Gonca Özçelik Kayseri*

## 14:50 - 16:00 SESSION 2

HALL 8

Chairman: *Angelo Corelli*

- OP-174 **The Characteristics of Urban Heat Island in Bangkok Metropolitan Area, Thailand**  
*Sigit Dwiananto Arifwido, Takahiro Tanaka*
- OP-175 **Tourists' Approach to Local Food**  
*Tarik Sengel, Aysen Karagoz, Gurel Cetin, Fusun Istanbul Dincer, Suna Mugan Ertugral, Mehtap Balık*
- OP-176 **Research About Molecular Cuisine Application as an Innovation Example in Istanbul Restaurants**  
*Demet Tüzünkan, Aslı Albayrak*
- OP-177 **Tourist Perceptions of Cultural Identity: The Case of the Thai Experience**  
*Nattapong Kongprasert, Pornpam Virutamasen*
- OP-178 **Rogers Theory on Diffusion of Innovation - The Most Appropriate Theoretical Model in the Study of Factors Influencing the Integration of Sustainability in Tourism Businesses**  
*Mirjam Xhavid Dibra*
- OP-179 **The Intersection of Entrepreneurship and Strategic Management: Strategic Entrepreneurship**  
*Nihun Doğan*

## 14:50 - 16:00 SESSION 2

HALL 9

Chairman: *Kageeporn Wongpreedee*

- OP-197 **The Environmental Kuznets Curve and Corruption in the MENA Region**  
*Ikram Sahli, Jaleddine Ben Rejeb*
- OP-198 **Speciation and Availability of Heavy Metals on Serpentine Soil and Paddy Yield**  
*Roslaili Abdul Aziz, Sahibin Abd Rahim, Ismail Sahid, Wan Mohd Razi Idris, Atiqur Rahman Bhuiyan*
- OP-199 **Rosa Bitamina (Organic Fertilizer) Effects in Enhancing Rosa Centifolia Resistancy and Flowering Process**  
*Nurhidayati Mad Noh, Nur Azlin Azhari, Siti Nurul Mahfuzah Mohamad*
- OP-200 **Mapping of Biochemical Constituents in Platanus Acerifolia Leaves by Analytical Techniques**  
*Işıl Kutbay, Funda Şentürk Akfırat*
- OP-201 **Investigating the Oxidative Function of the Scytalidium Thermophilum Catalase**  
*Melis Zengin, Yonca Yuzugullu, Sinem Balci, Günce Goc, Yonca Duman, Arwen. R Pearson*
- OP-202 **Anti-Microbial Activity of Chloramphenicol from Streptomyces sp.10CM9**  
*Kadriye Özcan, Ataç Uzel, Erdal Bedir*
- OP-203 **Tunisian Wetlands Valuation Elements and Sustainable Development: Case of Sebkhate El Kelbia Sousse Tunisia**  
*Karim Ben Haj Farhat, Hichem Rejeb, Ikram Sahli*

16:00 - 16:30

COFFEE BREAK

16:30 - 17:40 SESSION 3

HALL 1

Chairman: *Ferda Halicioğlu*

- OP-013 **A Framework for a Successful Research Products Commercialisation Among Academic Researchers in Malaysia**  
*Norain Ismail, Mohd Jailani Mohd Nor, Safiah Sidek*
- OP-014 **A Fact or an Illusion: Social Media Usage of Female Entrepreneurs**  
*Burcu Öksüz, Merve Genç*
- OP-015 **Strengthen Brand Association Through Se: Institutional Theory Revisited**  
*Pornpam Virutamasen, Kageeporn Wongpreedee, Weeranan Kummungwut*
- OP-016 **Patentability Under Turkish Patent Law According to the Decree Law No. 551 on the Protection of Patent Rights**  
*Başak Bak*
- OP-017 **Entrepreneurial Brand**  
*Hatice Anıl Değermen Erenkol, Yaprak Burçak Boydak Öztas*
- OP-018 **Attributes for Image Content That Attract Consumers' Attention to Advertisements**  
*Muhammad Helmi Abu Bakar, Mohd Asyiek Mat Desa, Muhizam Mustafa*
- OP-601 **Adjusting the Strength of Intellectual Property Rights to Allow Healthy Competition**  
*Shinto Teramoto*

16:30 - 17:40 SESSION 3

HALL 2

Chairman: *Ahmet İncekara*

- OP-036 **Creativity Process in Innovation Oriented Entrepreneurship: The Case of Vakko**  
*Evrin Kabukcu*
- OP-037 **Connections Between Leadership Features and Attitudes Towards Innovativeness: A Research on Small and Medium-Sized Business Owners**  
*Ayşegül Ertuğrul, Evren Ayrancı*
- OP-038 **Comparing Turkish Universities Entrepreneurship and Innovativeness Index's Rankings with Sentiment Analysis Results on Social Media Messages**  
*Elyase İskender, Gülgönül Bozoğlu Batı*
- OP-039 **Applicability to Green Entrepreneurship in Turkey: A Situation Analysis**  
*Yeter Demir Uslu, Yasemin Hancıoğlu, Erol Demir*
- OP-040 **The R&D and Innovation Capacity of SMEs' in IMES**  
*Zafer Utlü, Gizem Akıncı*
- OP-041 **The Effect of Personality Traits on Social Entrepreneurship Intentions: A Field Research**  
*Oğuzhan İrengün, Sebnem Arikboga*

16:30 - 17:40 SESSION 3

HALL 3

Chairman: *Baba Md. Deros*

- OP-059 **A Study on Ergonomic Awareness Among Workers Performing Manual Material Handling Activities**  
*Baba Md Deros, Dian Darina Indah Daruis, Ishak Mohamed Basir*
- OP-060 **A Concept Analysis of Innovation in Nursing**  
*Nurten Kaya, Nuray Turan, Gülsün Özdemir Aydın*
- OP-061 **Health Problems and Help Seeking Behavior at the Internet**  
*Nuray Turan, Nurten Kaya, Gülsün Özdemir Aydın*
- OP-062 **The Role of Health Literacy in Access to Online Health Information**  
*Gülsün Özdemir Aydın, Nurten Kaya, Nuray Turan*
- OP-063 **Entrepreneurship: Is it an Addiction?**  
*Gülseren Keskin, Süreyya Gümtüşsoy, Elif Aktekin*

16:30 - 17:40 SESSION 3

HALL 4

Chairman: *İsmail Bircan*

- OP-082 **Innovation and Labor Productivity in BRICS Countries: Panel Causality and Co-integration**  
*Serdar Kurt, Ünzile Kurt*
- OP-083 **Determinants of Innovation Performance: A Resource-Based Study**  
*Rıfat Kamaşak*
- OP-084 **Effects of Innovation Strategy on Firm Performance: A Study Conducted on Manufacturing Firms in Turkey**  
*Ahu Tuğba Karabulut*
- OP-085 **The Relationship Between Intellectual Capital, Innovative Work Behavior and Business Performance Reflection**  
*Ali Şahin Örnek, Siyret Ayas*
- OP-086 **CSR Practice and Sustainability of Business Performance: Evidence from the Global Financial Centre of China**  
*Artie W Ng, Tai Ming Wut*
- OP-087 **The Effects of Innovative Features of Women Managers on Their Business Performance: The Case of Food Exporter Companies in Aegean Region**  
*Nezih Metin Özmutaf, Elif Aktekin, Bülent Ergani, Koray Çita*

16:30 - 17:40 SESSION 3

HALL 5

Chairman: *Ayfer Gedikli*

- OP-106 **Systematic Design of an Open Innovation Tool**  
*Ahmet Çubukcu, Bülent Gümüş*
- OP-107 **Example of Open Innovation: P&G**  
*Nesli Nazik Özkan*
- OP-108 **Effects of Innovation Types on Performance of Manufacturing Firms in Turkey**  
*Ahu Tuğba Karabulut*
- OP-109 **Innovation Management System of Ecuador**  
*Carlos Raul Carpio, William Emilio Figueroa, Martha Paola Alvarado*
- OP-110 **Breaking Free From 'The Linear': In Search for Innoveaders**  
*Ahmet Hakan Yüksel*
- OP-111 **Drivers of Innovative Constructive Deviance: A Moderated Mediation Analysis**  
*Bora Yıldız, Serhat Erat, Lütfihak Alpkın, Harun Yıldız*

16:30 - 17:40 SESSION 3

HALL 6

Chairman: *Mehmet Onur Gülbahar*

- OP-130 **Technical Innovations in Cruise Tourism and Results of Sustainable Approaches**  
*Naci Polat*
- OP-131 **Marketing Efforts Related to Social Media Channels and Mobile Application Usage in Tourism: Case Study in Istanbul**  
*Mehmet Onur Gülbahar, Fazlı Yıldırım*
- OP-132 **Art Via Architecture 'Lukisan Kajian' Style in Hybrid Model 'A+AGPD': Observation 'Garisn Stroke Line' (gSLine)**  
*Maria Binti Mohammad, Nasir Bin Ibrahim, Mohamad Rusdi Bin Md.nasir, Kasran Bin Mat Jiddin, Mohamad Faisal Bin Ahmad*
- OP-133 **Creating a Network of Youth in Nakhon Phanom and Laos PDR. About Sustainable Tourism Development in The Greater Mekong Sub-region**  
*Sirimonporn Thipsingh*
- OP-134 **Developing Innovative Methods of Outdoor Ads with Interaction of Digital Arts**  
*Ayşe Nesrin Akören*
- OP-135 **Economic Development of Ski Industry in Experimental Innovation: Example of Palandoken Turkey and Alps Switzerland**  
*Elif Haykı Hobikoğlu, Huzeyfe Karademir*

## 16:30 - 17:40 SESSION 3

HALL 7

Chairman: *Tuncay Bayrak*

- OP-156 **Direct vs. Anonymous Feedback: Teacher Behavior in Higher Education, with Focus on Technology Advances**  
*Angelo Corelli*
- OP-157 **Evaluation of the Mechatronics Curriculum Using Model Stufflebeam (CIPP)**  
*Sharifah Nurulhuda Tuan Mohd Yasin, Azman Hasan, Mohd Fauzi Mohd Yunus*
- OP-158 **The Relationship of the Creativity of Public and Private School Teachers to Their Intrinsic Motivation and the School Climate for Innovation**  
*Tuncer Fidan, İnci Öztürk*
- OP-159 **The Academicians' Perspective on the Challenges Facing Higher Education in Turkey**  
*Tuncay Bayrak, Fahrettin Öztürk*
- OP-160 **Perception of Students Towards Lecturers Teaching Engineering Courses with Industry Experience: A Case Study in Malaysia Technical Universities**  
*Kartina Johan*
- OP-161 **MALL Revisited: Current Trends and Pedagogical Implications**  
*Derya Bozdoğan*

## 16:30 - 17:40 SESSION 3

HALL 8

Chairman: *Zawawi Daud*

- OP-180 **The Investigation of the Effects of Plasma Treatment on the Dyeing Properties of Polyester/Viscose Nonwoven Fabrics**  
*Şeyda Canbolat, Dilek Kut, Mehmet Kılınç*
- OP-181 **The Evaluation with Statistical Analyses of the Effect of Different Storage Condition and Type of Gas on the Properties of Plasma Treated Cotton Fabrics**  
*Mehmet Kilinc, Seyda Canbolat, Can Eyupoglu, Dilek Kut*
- OP-182 **Oil Palm Leaf and Corn Stalk – Mechanical Properties and Surface Characterization**  
*Zawawi Daud, Halizah Awang, Ab Aziz Abdul Latiff, Mohd Zainuri Mohd Hatta, Mohd Baharudin Ridzuan, Angzaz Sari Mohd Kassim*
- OP-183 **Investigation of the Colour, Fastness and Antimicrobial Properties of Wool Fabrics Dyed with the Natural Dye Extracted from the Cone of Chamaecyparis Lawsoniana**  
*Mehmet Kılınç, Şeyda Canbolat, Nigar Merdan, Habip Dayioğlu, Filiz Akın*
- OP-184 **Shape-Memory Applications in Textile Design**  
*Mustafa Oğuz Gök, Mehmet Zahit Bilir, Banu Hatice Gürcüm*

## 16:30 - 17:40 SESSION 3

HALL 9

Chairman: *Muzaffer Yaşar*

- OP-204 **The Effect of Dyeing Properties of Fixing Agent and Plasma Treatment on Silk Fabric Dyed with Natural Dye Extract Obtained from Sambucus Ebulus L. Plant**  
*Habip Dayioğlu, Dilek Kut, Nigar Merdan, Seyda Canbolat*
- OP-205 **The Effect of Surfactants on the Efficiency of Lead Acid Batteries**  
*Bounoughaz Moussa, Boudieb Naima*
- OP-206 **Preparation and Characterization of Chitosan/ Polypyrrole/ Sepiolite Nanocomposites**  
*Sevinc Sezin Tarımsal Gülmen, Esin Ateş Güvel, Nilgün Kızılcın*
- OP-207 **The Synthesis of Biodiesel from Vegetable Oil**  
*Radia Selaimia, Abdelsalem Beghiel, Rabah Oumeddour*
- OP-208 **Cd(Cl<sub>3</sub>)- vs (CdCl<sub>4</sub>)<sup>2-</sup> in Hybrid Materials**  
*Siham Boufas, Nacira Mohamedi, Patricia Bénard Rocherullé, Thierry Roisnel*

## 17:40 - 18:50 SESSION 4

HALL 1

- Chairman:** *Murat Yalçıntaş*
- OP-019** **Operational Improvements in the Assembly Process of Lead Cable by Using New Methods**  
*Mehmet Alper Sofuoğlu, Selim Gürgen, Fatih Hayati Çakır, Melih Cemal Kuşhan*
- OP-020** **STARMA Models Estimation with Kalman Filter: The Case of Regional Bank Deposits**  
*Serkan Kurt, Kaşif Batu Tunay*
- OP-021** **Numerical Study of the Dispersion Properties of an X-band Backward Wave Oscillator with Rectangularly Rippled Wall Resonator**  
*Ruhul Amin, Rakibul Hasan Sagor, Ghulam Saber*
- OP-022** **Dimension Optimization of Microstrip Patch Antenna in X/Ku Band via Artificial Neural Network**  
*Umut Özkaya, Levent Seyfi*
- OP-023** **High Efficiency Single Phase Switched Capacitor AC to DC Step Down Converter**  
*Golam Sarowar, Ashraful Hoque*
- OP-024** **A Novel Control Scheme for Buck-Boost DC to AC Converter for Variable Frequency Applications**  
*Golam Sarowar, Mohammad Ali Choudhury, Ashraful Hoque*

## 17:40 - 18:50 SESSION 4

HALL 2

- Chairman:** *Mehmet Adak*
- OP-042** **The Effects of Foreign Direct Investment on R&D and Innovations: Panel Data Analysis for Developing Countries**  
*Leman Erdal, İsmet Göçer*
- OP-043** **Determinants of R&D Investment Decision in Turkey**  
*Ömer Limanlı*
- OP-044** **Innovation and Crisis: An Analysis of its Impact on Greek Patenting Activity**  
*Maria Markatou, Apostolos Vetsikas*
- OP-045** **Innovation and the Effect of Research and Development (R&D) Expenditure on Growth in Some Developing and Developed Countries**  
*Burçay Yaşar Akçalı, Elçin Şişmanoğlu*
- OP-046** **Technological Progress, Innovation and Economic Growth, The Case of Turkey**  
*Mehmet Adak*
- OP-047** **Intensity of Business Enterprise Research and Development Expenditure and High-Tech Specification in European Manufacturing Sector**  
*Özcan Karahan, Lütfi Yalçın*

## 17:40 - 18:50 SESSION 4

HALL 3

- Chairman:** *Ali Akdemir*
- OP-064** **Finite Element Modelling of Ultrasonic Assisted Turning of Ti6Al4 Alloy**  
*Fatih Hayati Çakır, Osman Nuri Çelik, Melih Cemal Kuşhan, Selim Gürgen, Mehmet Alper Sofuoğlu*
- OP-065** **Experimental Study of Effects of Ultrasonic Waves on Heat Distribution in Gaseous Medium**  
*Mehmet Köprü, Elif Orhan, Sema Bilge Ocak*
- OP-066** **A Microstrip Patch Antenna Design for Breast Cancer Detection**  
*Rabia Çalışkan, Seyfettin Sinan Gültekin, Dilek Uzer, Özgür Dündar*
- OP-067** **Examination of Surface Tracking on Polyurethane Foam Insulators**  
*İbrahim Güneş*
- OP-068** **Technology Acceptance in Health Care: An Integrative Review of Predictive Factors and Intervention Programs**  
*Nuray Öner Gücin, H. Özlem Sertel Berk*
- OP-069** **An Enterprise Systems Model to Deliver Innovation in the Healthcare Industry Based on Cognitive and Social-Tech Engineering**  
*Harpreet Singh, Ardavan Amini, Luis Hernandez Munoz*

## 17:40 - 18:50 SESSION 4

HALL 4

Chairman: *Rifat Kamaşak*

OP-088 Literature Search Consisting of the Areas of Six Sigma's Usage  
*Ali Erdoğan, Hacer Canatan*

OP-089 What Could Entrepreneurship do for Sustainable Development? A Corporate Social Responsibility-Based Approach  
*Necla Oyku Iyigun*

OP-090 System Thinking Approach in Solving Problems of Technology Transfer Process  
*Juris Roberts Kalnins, Natalja Jarohnovich*

OP-091 The Impact of External Collaborations on Firm Innovation Performance: Evidence from Turkey  
*Derya Fındık, Berna Beyhan*

OP-092 Participatory New Product Development – A Framework for Truly Collaborative and Continuous Innovation Design  
*Baskan Yenicioglu, Ahmet Suerdem*

## 17:40 - 18:50 SESSION 4

HALL 5

Chairman: *Turhan Koyuncu*

OP-112 Energy Efficiency in Backbone Networks  
*Can Eyupoglu, Muhammed Ali Aydin*

OP-113 An Investigation on the Parameters That Affect the Performance of Hydrogen Fuel Cell  
*Aysel Ersoy Yilmaz, Mehmet Murat İspirli*

OP-114 Power Quality Measurement and Evaluation of a Wind Farm Connected to Distribution Grid  
*Hakan Açıkgoz, Ökkeş Fatih Keçecioglu, Ceyhan Yıldız, Mustafa Şekkeli*

OP-115 Thermal Performance of a Domestic Chromium Solar Water Collector with Phase Change Material  
*Turhan Koyuncu, Fuat Lüle*

OP-116 Agarwood Oil Yield as a Result of Changes in Cell Morphology Due to Soaking Process  
*Veronica Alexander Jok, Nurhaslina Che Radzi, Ku Halim Ku Hamid*

OP-117 The Impact of the Solar Irradiation, Collector and the Receiver to the Receiver Losses in Parabolic Dish System  
*Rosnani Affandi, Mohd Ruddin Ab Ghani, Chin Kim Ghan, Liaw Geok Pheng*

## 17:40 - 18:50 SESSION 4

HALL 6

Chairman: *Seyfettin Erdoğan*

OP-136 The Relationship Between Research & Development Expenditures and Economic Growth: The Case of Turkey  
*Kadir Tuna, Emir Kayacan, Hakan Bektaş*

OP-137 Export Performance of Central and Eastern European Countries. Macro and Micro Fundamentals  
*Ana Maria Cazacu ( Bancu)*

OP-138 Economic Complexity and Export Competitiveness: The Case of Turkey  
*Birol Erkan, Elif Yildirimci*

OP-139 Knowledge Spillovers, Absorptive Capacities and the Impact of FDI on Economic Growth: Empirical Evidence From Transition Economies  
*Sabina Silajdzic, Eldin Mehic*

OP-140 The Influence of Green Trust, Green Self-Efficacy and Household Economy Towards Buying Green Behavior in Malaysia  
*Nennie Trianna Rosli, Fauziah Sheikh Ahmad, Sha'azim Ibhaiddullah Dadameah*

OP-141 Building Knowledge- Based Entrepreneurship Ecosystems: Case of Iran  
*Yagoub Entezari*

## 17:40 - 18:50 SESSION 4 HALL 7

- Chairman:** *Majlinda Nuhii*
- OP-162** **Entrepreneurial Mindsets for Innovative Brand Development: Case Studies in Jewelry Education**  
*Kageporn Wongpreedee, Amonmat Kiratisin, Pornngarm Virutamasen*
- OP-163** **The Example-Problem-Based Learning Model: Applying Cognitive Load Theory**  
*Noor Hisham Jalani, Lai Chee Sern*
- OP-164** **Managing Diversity in Higher Education: USAFA Case**  
*İsmail Meric, Mustafa Er*
- OP-165** **Assessment of TEOG (Transition From Basic to Secondary Education) Examination Success: Topsis Multi-Criteria Decision-Making Method Practice**  
*Elif Haykır Hobikoğlu*
- OP-166** **“Ambiguity in English and Albanian Sentences”**  
*Majlinda Nuhii, Suzana Ejupi*
- OP-167** **Linking Transformational Leadership to Work Engagement and the Mediator Effect of Job Autonomy: A Study in a Turkish Private Non-Profit University**  
*Izlem Gozukara, Omer Faruk Simsek*

## 17:40 - 18:50 SESSION 4 HALL 8

- Chairman:** *Abdullah Demir*
- OP-185** **Multi Response Optimization of Turning Operation with Self-Propelled Rotary Tool (SPRT)**  
*Selim Gürgeç, Mehmet Alper Sofuoğlu, Fatih Hayati Çakır, Sezcan Orak, Melih Cemal Kuşhan*
- OP-186** **Application of Ohmic Heating System in Meat Thawing**  
*Duygu Balpetek, Umit Gurbuz*
- OP-187** **Effect of Inlet Temperature on Pineapple Powder and Banana Milk Powder**  
*Siti Noor Suzila Maqsood Ul Haque*
- OP-188** **Hydrology Properties and Water Quality Assessment of the Sembrong Dam, Johor, Malaysia**  
*Halizah Awang, Zawawi Daud, Mohd Zainuri Mohd Hatta*
- OP-189** **Investigation of Air Quality in the Underground and Aboveground Multi-Storey Car Parks in Terms of Exhaust Emissions**  
*Abdullah Demir*
- OP-190** **Application of Finite Element Method to Determine the Performances of a Line Start Permanent Magnet Synchronous Motor**  
*Seda Küll, Osman Bilgin*

## 17:40 - 18:50 SESSION 4 HALL 9

- Chairman:** *Arzu İmren*
- OP-209** **Chemical Shifts of K $\alpha$  and K $\beta$ 1,3 X-Ray Emission Spectra for Oxygen Compounds of Ti, Cr, Fe, Co, Cu with WDXRF**  
*Elif Boydaş, Elif Orhan, Mustafa Gökalp Boydaş, Esra Cömert*
- OP-210** **Dielectric Properties of Al/Poly(Methyl Methacrylate)(PMMA)/P-Si Organic Schottky Devices**  
*Gonca Aras, Elif Orhan, Akil Birkan Selçuk, Sema Bilge Ocak, Mehmet Ertuğrul*
- OP-211** **EPR Study of Cr<sup>3+</sup> Ions in AlF<sub>3</sub> Amorphous at X-Band Frequency and Versus Temperature**  
*Latelli Hmida*
- OP-212** **Neutron Shielding Properties of Concretes Containing Boron Carbide and Ferro - Boron**  
*Demet Sariyer, Rahmi Küçer, Nermin Küçer*
- OP-213** **The Optical Properties of Cigs Thin Films Derived by Sol-Gel Dip Coating Process at Different Withdrawal Speed**  
*Utku Canci Matur, Utku Canci Matur, Şengül Akyol, Nilgün Baydoğan, Hüseyin Çimenoglu*
- OP-214** **Created with Crystallized on Acesulfame of Metal Complexes [Mn(acs)<sub>2</sub>(H<sub>2</sub>O)<sub>4</sub>] Single Crystal Examination EPR**  
*Mehpeyker Kocakoç, Recep Tapramaz*
- OP-215** **Two Qutrit System for Controlled CNOT (Cnote) Gateway**  
*Mehpeyker Kocakoç, Recep Tapramaz*

09:00 - 10:10 SESSION 1

HALL 1

- Chairman:** *Tarık Zaimoviç*
- OP-216** **Importance of Technological Diffusion and the Turkish Case**  
*Bahar Şanlı Güllübahar, Elif Haykır Hobikoğlu*
- OP-217** **Time for Digital Detox: Misuse of Mobile Technology and Phubbing**  
*Naciye Gülliz Uğur, Tuğba Koç*
- OP-218** **Bosnia and Herzegovina Telecommunication Sector Outlook**  
*Tarık Zaimovic, Azra Zaimovic, Arnela Mustafic*
- OP-219** **Exploring Benefits of a Web Based Testing and Training Tool**  
*Tuncay Bayrak, Bahadır Akcam*
- OP-220** **Yesterday, Today and Tomorrow of Big Data**  
*Hakan Özköse, Emin Sertaç Arı*
- OP-221** **Creating Online Storylines for Increasing the Knowledge Retention**  
*Bülent Döş*
- OP-222** **The Impact of Information and Communication Technologies on Company Performance: An Application on Manufacturing and Construction Sectors**  
*Halim Tatlı*

09:00 - 10:10 SESSION 1

HALL 2

- Chairman:** *Boualem El Kechebour*
- OP-239** **Vibration Control of a Column Using a Gyroscope**  
*Faruk Ünker, Olkan Çuvalcı*
- OP-240** **Seismic Motion Control of a Column Using a Gyroscope**  
*Faruk Ünker, Olkan Çuvalcı*
- OP-241** **Modelling of Assessment of the Green Space in the Urban Composition**  
*Boualem El Kechebour*
- OP-242** **Reactivity of Cementitious Additions on Properties of Micro Concrete**  
*Mohamed Nadjib Oudjit, Madiha Lanez, Abderrahim Bali*
- OP-243** **New Concept for Indoor Firefighting Robot**  
*Zeyad Alhusainan, Amjad Alsadoon, Abdulmuhsin Jarwali, Thamer Alhaza, Khalid Alsaif, Byoungsoo Kim*
- OP-244** **Nonlinear Motion Control of a Column Using a Coupled Gyroscope**  
*Faruk Ünker, Olkan Çuvalcı*
- OP-245** **Augmentable Multi-Vertebrate Modular Space Station Robot**  
*Serkan Kurt*

09:00 - 10:10 SESSION 1

HALL 3

- Chairman:** *Kadir Tuna*
- OP-273** **Factors Affecting Innovation in Nigerian Construction Industry**  
*Abiodun Olatunji Abisuga, Olugbenga O. Oyekanmi, Akinwumi A. Akinpelu*
- OP-274** **Innovative Design of an Axial Blood Pump for Extracorporeal Mechanical Circulatory Support**  
*Essam F Abo Serie, Elif Oran, Serdar Tunaboğlu, Bülent Oran*
- OP-275** **New Empirical Evidence: If Considerably Modified, Lean Management, can Substantially Increase Performance in Healthcare**  
*Laura Johanna Castren, Ilkka Sakari Kauranen*
- OP-276** **An Overview: Co-Combustion Characteristics of Coal and Oil Palm Biomass Blends Via Thermogravimetry Analysis**  
*Nurhafizah Binti Yaacob, Norazah Binti Abd. Rahman, Siti Shawalliah Binti Idris, Sharmeela Binti Matali*
- OP-277** **An Approach to Life Expectancy of a Product/Service for Sustainability of Supply Chain Management Systems**  
*Ayşenur Erdil, Ertuğrul Tacım*
- OP-278** **Quality Oriented Assessment for the Integration Structure of Manufacturing Steps in Textile Sector**  
*Ayşenur Erdil, Hikmet Erbiyik*

09:00 - 10:10 SESSION 1

HALL 4

- Chairman:** *Abdul Hadi*
- OP-304** **Antibacterial Polymer Based Transparent Coating for Elimination of Staphylococcus Aureus**  
*Zainal Abidin Ali, Rosiyah Yahya, Rustam Puteh*
- OP-305** **Polypyrrole and Thienyl End Capped Polysulfone Copolymers by Iron (III) Chloride**  
*Nilay Tanrıver, Nesrin Köken*
- OP-306** **In Situ Polymerization of Sepiolite Modified Polysulfone**  
*Betül Hanbeyoğlu Yavaş, Nilay Tanrıver, Birgül Benli, Nilgün Kızılcın*
- OP-307** **High Performance Randomly Segmented Poly (Urethane Siloxane) and Poly (Imide Siloxane) Copolymers**  
*Türkan Doğan, Nilgün Baydoğan, Nesrin Köken*
- OP-308** **Weathering Effects on the Microstructure Morphology of Low Density Polyethylene**  
*Meriam Imane Babaghayou, Asma Abdelhafidi, Salem Fouad Chabira, Mohammed Sebaa*
- OP-309** **Impact of Solar Radiation Effects on the Physicochemical Properties of Polyethylene (PE) Plastic Film**  
*Asma Asma Abdelhafidi, Meryam Imane Babaghayou, Salem Fouad Chabira, Mohammed Mohammed Sebaa*
- OP-310** **Effect of Metal Oxides Loading on the Modification of Microstructure and Phase Transformation of Nanocrystalline CeZrO<sub>2</sub> Synthesized Using Water-in-Oil Microemulsion**  
*Abdul Hadi, Kamariah Noor Ismail, Muhd Nazri Abu Shah*

09:00 - 10:10 SESSION 1

HALL 5

- Chairman:** *Fatma Gülay Kırbaşlar*
- OP-341** **An Innovative Approach in Virtual Laboratory Education: The Case of "IUVIRLAB" and Relationships Between Communication Skills with the Usage of IUVIRLAB**  
*Elif İnce, Fatma Gülay Kırbaşlar, Zeliha Özsoy Güneş, Yavuz Yaman, Özgü Yolcu, Ergun Yolcu*
- OP-342** **The Effectiveness of the IUVIRLAB on Undergraduate Students' Understanding of Some Physics Concepts**  
*Elif İnce, Zeliha Özsoy Güneş, Yavuz Yaman, Fatma Gülay Kırbaşlar, Özgü Yolcu, Ergun Yolcu*
- OP-343** **Utilization of Educational Technology to Enhance Teaching Practices: Case Study of Community College in Malaysia**  
*Mastura Azlim, Melor Amran, Mohd Ruhaizad Rusli*
- OP-344** **Community College Students' Perception Towards Digital Learning In Malaysia**  
*Rafizah Binti Daud, Zarulrizam Bin Ab. Jalil, M.noor Fathoni Bin M.gunawan*
- OP-345** **The Founding of Apple and the Reasons Behind its Success**  
*Ibrahim Atakan Kubilay*
- OP-346** **Comparative Analysis of Real Time Replication Service Efficiency on Enterprise Level**  
*Florije Ismaili, Besir Aliti, Jaumin Ajdari, Bujar Raufi, Xhemal Zenuni*

09:00 - 10:10 SESSION 1

HALL 6

- Chairman:** *Selva Staub*
- OP-374** **Micro-Electro-Mechanical System (MEMS)-Based Piezoelectric Energy Harvester for Ambient Vibrations**  
*Salem Saadon, Othman Sidek*
- OP-375** **Optimal Control and Analysis of Three Phase Electronic Power Transformers**  
*Hakan Açıkgöz, Ökkeş Fatih Keçecioglu, Mustafa Şekkeli*
- OP-376** **Investigation of TCSC Controller Effect on IDMT Directional Over-current Relay**  
*Lazhar Bougouffa, Abdelaziz Chaghi*
- OP-377** **Comments on "Non-linear Piezoelectric Vibration Energy Harvesting from a Vertical Cantilever Beam with Tip Mass"**  
*Faruk Ünker, Olkan Çuvalcı*
- OP-379** **Suspended Solid, Color, COD and Oil and Grease Removal from Biodiesel Wastewater by Coagulation and Flocculation Processes**  
*Zawawi Daud, Halizah Awang, Ab Aziz Abdul Latif, Nazlızan Nasir, Mohd Baharudin Ridzuan, Zulkifli Ahmad*

09:00 - 10:10 SESSION 1

HALL 7

Chairman: *Turhan Koyuncu*

- OP-409 **Convective and Microwave Drying Characteristics of Sorbus Fruits (*Sorbus domestica* L.)**  
*Fuat Lule, Turhan Koyuncu*
- OP-410 **Effect of Interaction Time on Immobilization Process of *Bambusa Heterostachya* as *Lactobacillus* Matrix**  
*Nur Hazirah R., Nurhaslina C. R., Ku Halim K. H.*
- OP-411 **Effect of Radiation Heat on the Chemical and Physical Properties of Bread Enhanced with *Garcinia mangostana* Pericarp Powder**  
*Ummi Kalthum Ibrahim, Ruzitah Mohd Salleh, Siti Noor Suzila Maqsood Ul Haque, Syafiza Abd Hashib, Noorsuhana Mohd Yusof*
- OP-412 **Effect of Slurry Concentration and Inlet Temperature Towards Glass Temperature of Spray Dried Pineapple Powder**  
*Syafiza Abd Hashib, Norazah Abd Rahman, Ummi Kalthum Ibrahim, Siti Noor Suzila Maqsood Ul Haque, Nur Ezzah Hanif*
- OP-413 **Alterations in Value of Vitamin C and Chemical Composition of Frozen, Dried and Fresh Some Citrus Peels and Their Antioxidant Capacity**  
*İbrahim Halil Geçibesler, İbrahim Demirtaş*
- OP-414 **Physicochemical Properties of Vegetable Oil-Based Polyols Rejuvenated Asphalt Binders**  
*Nader Nciri, Jeonghyun Kim, Suil Song, Namho Kim, Namjun Cho*

09:00 - 10:10 SESSION 1

HALL 8

Chairman: *Elif Haykır Hobikoğlu*

- OP-444 **Improved Business Model Representation of Innovation Concepts**  
*Dante Jorge Dorantes Gonzalez, Hande Küçükaydın, Şirin Özlem, Gökçe Bulgan, Utkun Aydın, Semen Son Turan, Nazlı Karamollaoğlu, Frederico Fialho Frederico Fialho Teixeira*
- OP-445 **European Regional Innovation Strategies (RIS): An Historical Investigation**  
*Maria Markatou, Panagiota Kourdoumpalou, Aggeliki Tsameti*
- OP-446 **Geography and Innovation: An Analysis Based on Patent Records for the Total of European Regions**  
*Maria Markatou*
- OP-447 **The Contribution of the Greek Academia in Innovation Production: A Patent- Based Perspective**  
*Maria Markatou, Antigoni Manoli*
- OP-448 **How Does the Competitive Environment Affect the Rate of Innovation? A Case Study of Turkey**  
*Fatma Nur Karaman Kabadurmus*
- OP-449 **Innovation Development Strategies in Naturalgas Sector**  
*Muzaffer Ertürk*
- OP-450 **Work Related Emotions and Institutional Change: The Case of Environmental Innovation**  
*Magali Delmas, Sanja Pekovic*
- OP-101 **The Process of International Opportunity Development: Entrepreneurial Behaviour of Turkish Firm in Romania**  
*Gözde Yılmaz, Anna Bengtson, Amjad Hadjikhani*

## 09:00 - 10:10 SESSION 1

HALL 9

- Chairman:** *Çiğdem Börke Tunalı*
- OP-482** **How Sources of Information Influence the Novelty of Product and Process Innovations: Turkish Manufacturing Industry**  
*Berna Beyhan*
- OP-483** **Design Management in Creating Competitive Advantage**  
*Metin Söylemez*
- OP-484** **The Impact of Network Intelligence to the Success of Business Decisions**  
*Savo Stupar, Elvir Šahić*
- OP-485** **The Effect of Product Innovation and Aesthetics on Brand Loyalty and Brand Trust: The Case of Technological Products**  
*Seda Demir*
- OP-486** **Measurement of Human Capital for Information Technology Departments**  
*Kadir Alpaslan Demir*
- OP-487** **Promoting Energy Efficiency Strategies in Turkey: The Case for Building Efficiency**  
*Ozge Kama, Zeynep Kaplan*
- OP-488** **The Reflection of Culture on Entrepreneurship: An Analysis on Entrepreneurship Culture in Turkey**  
*Ebru Doğan*

## 10:20 - 10:50 KEYNOTE SPEAKER

HALL 1

**Prof. Dr. Jarko Fidrmuc**

Zeppelin University

Institutions and Creative Destruction in Central and Eastern European Countries:  
Determinants of Inefficient Use of Assets

## 10:50 - 11:20

## COFFEE BREAK

## 11:20 - 12:30 SESSION 2

HALL 1

- Chairman:** *Muhittin Karabulut*
- OP-223** **Analyzing Information Technology Status and Network Readiness in Turkey in Context of Diffusion of Innovation Theory**  
*Çiğdem Aytekin, Alper Değerli, Başak Değerli*
- OP-224** **Multidimensional Construct of Technology Orientation**  
*Duygu Seckin Halac*
- OP-225** **The Increasing Importance of Mobile Marketing in the Light of the Improvement of Mobile Phones, Confronted Problems Encountered in Practice, Solution Offers and Expectations**  
*Burçak Boydak Öztas*
- OP-226** **A Data Model to Support Context-Aware Mobile Cloud Collaboration Scenarios**  
*Manouchehr Zadahmad, Parisa Yousefzadehfard, Morteza Abbaszadeh*
- OP-227** **An Application for Measuring Performance Quality of Schools by Using the PROMETHEE Multi-Criteria Decision Making Method**  
*Sedat Murat, Halim Kacan, Semih Coskun*
- OP-228** **An Experimental Study on Relationship between Student Socio-Economic Profile, Financial Literacy, Student Satisfaction and Innovation within the Framework of TQM**  
*Seyma Caliskan Cavdar, Alev Dilek Aydin*

11:20 - 12:30 SESSION 2

HALL 2

Chairman: *Abu Tuğba Karabulut*

- OP-246 **Personality and Gender as Predictors of Entrepreneurial Cognitive Adaptability**  
*Sami Ullah Bajwa*
- OP-247 **Innovation and Creativity: Inspiring the Next Generation in the Ethekwin Municipality**  
*Anneline Chetty*
- OP-248 **The Determinants of Innovation in Malaysian Food Processing Small and Medium Enterprises (SMEs)**  
*Suziyana Mat Dahan, Ahmad Nazif Noor Kamar, Rabiatal Syuhada Hasan, Nurhaizan Mohd Zainudin, Fadzida Ismail*
- OP-249 **Entrepreneurial Capabilities of Sama College Students of Dezful Branch**  
*Hooshang Maktabi, Reza Sadeqi, Abdulmajid Mosleh*
- OP-250 **Investigating the Relationship Between Emotional Intelligence and Entrepreneurship Development (A Case Study: Senior Students of Agriculture, Ilam Branch, Islamic Azad University)**  
*Mohammad Bagher Arayesh*
- OP-251 **Entrepreneurship Approach and Incentives Given in Turkey, United States and Europe**  
*Faik Çelik, Ayfer Özmen*

11:20 - 12:30 SESSION 2

HALL 3

Chairman: *Kadir Tuna*

- OP-279 **An Energy Efficient and Innovative Cryptographic Technique in Health Information System Using Ancient Indian Vedic Mathematics to Improve QoS**  
*Parthasarathy Velusamy, Hemalatha Subburathinaraj, Rajamani Vayanaperumal*
- OP-280 **Virtual Reality Innovation for Using Automotive**  
*Sevecen Ünal, Zümrit Ecevit Sati*
- OP-281 **Data-Driven Financial Management for SME Growth**  
*Sean Yu*
- OP-142 **Eco-Innovation as Modern era Strategy of Companies in Developing Countries: Comparison Between Turkey and European Union**  
*Gürol Özçüre, Nimet Eryiğit*

11:20 - 12:30 SESSION 2

HALL 4

Chairman: *Mabbub Hasan*

- OP-311 **Factors Affecting Lecturers Motivation in Using Online Teaching Tools**  
*Siti Nurul Mahfuzah Mohamad, Mohd Azran Mohd Salleh, Saizilah Salam*
- OP-312 **The Development and Evaluation of Online Project Based Collaborative Learning**  
*Sharifah Nadiyah Razali, Faaizah Shahbodin*
- OP-313 **MOOC-Rec: A Case Based Recommender System for MOOCs**  
*Fatiha Bousbahi, Henda Chorfi Ouertani*
- OP-314 **Emerging Trends of Using Open Source Technology for Sustainable Teacher Training Programme in Bangladesh**  
*Mabbub Hasan, Shahadat Hossain Khan, Rakibul Hasan Sagor*
- OP-315 **An Empirical Research on General Internet Usage Patterns of Undergraduate Students**  
*Müjgan Deniz, Seda Karakaş Geyik*
- OP-316 **Postgraduate Digital Badges in Higher Education: Transforming Advanced Programs Using Innovative and Authentic Instruction and Assessment to Meet the Demands of a Global Marketplace**  
*David Anderson, Selva Staub*

11:20 - 12:30 SESSION 2

HALL 5

Chairman: *Xhemal Zenun*

- OP-347 **A Modified Expectation of Maximization Method and its Application to Image Segmentation**  
*Lahouaoui Lalaoui, Tayeb Mohamadi, Abdelhak Djaalab*
- OP-348 **Graph Representation of Relational Database for Concept Discovery**  
*Mahmut Iğde, Yusuf Kavurucu, Alev Mutlu*
- OP-349 **State of the Art of Semantic Web for Healthcare**  
*Xhemal Zenuni, Bujar Raufi, Florije Ismaili, Jaumin Ajdari*
- OP-350 **Methods and Techniques of Adaptive Web and Mobile Accessibility for Blind and Visually Impaired**  
*Bujar Raufi, Mexhid Ferati, Xhemal Zenuni, Jaumin Ajdari, Florije Ismaili*
- OP-351 **Development of a Blood Bank Management System**  
*Sumazly Sulaiman, Abdul Aziz K Abdul Hamid, Nurul Ain Najihan Yusri*
- OP-352 **Mobile Technology Applications in the Healthcare Industry for Disease Management and Wellness**  
*Güler Kalem, Çiğdem Turhan*

11:20 - 12:30 SESSION 2

HALL 6

Chairman: *Zawawi Daud*

- OP-380 **Wireless Mobile Robot Control with Tablet Computer**  
*Gonca Erşahin, Herman Sedef*
- OP-381 **Comparison of Different Performance Measures of Complex Product Systems in Technology Forecasting**  
*Gizem Intepe, Tufan V. Koç*
- OP-382 **Radio Frequency Identification (RFID) Based Attendance & Assessment System with Wireless Database Records**  
*Sarmad Hameed, Syed Muhammad Taha Saquib, Moez Ul Hassan, Faraz Junejo*
- OP-383 **Expert System on Selection of Mobility Management Strategies Towards Implementing Active Transport**  
*Bibie Sara Salleh, Riza Atiq O.k Rahmat, Amiruddin Ismail*
- OP-384 **Geothermal Energy for Residential Power and Heat Co-Generation**  
*Mihela Adela Coroiu*
- OP-385 **Optimal Load Shedding Strategy for Selçuk University Power System with Distributed Generation**  
*Halil Çimen, Musa Aydın*

11:20 - 12:30 SESSION 2

HALL 7

Chairman: *Mohamed Ahmet Aichouni*

- OP-415 **Evaluating Students' Need in Using Computer Aided Software in Landscape Design Course**  
*Siti Aimon Abdullah, Azhar Yaakub, Zali Wahil*
- OP-416 **Improving a Communication Skill through the Learning Approach Towards the Environment of Engineering Classroom**  
*Halizah Awang, Zawawi Daud*
- OP-417 **Creativity and Innovation among Gifted Saudi Students - An Empirical Study**  
*Mohamed Ahmed Aichouni, Rashed Mohammad Al Hamali, Noureddine Lakhdar Ait Messaoudene, Abdulaziz Ibrahim Al Ghonamy, Mabrouk Belkacem Touahmia, Abdulaziz Salem Al Ghamdi, Essam Abdulkadir Al Badawi*
- OP-418 **Sustainable Quality Management in Libyan Higher Education: A Study in Process Innovation**  
*Mabrouk El Bahloul Khoja, Mark Lomen, Jill Fisher*
- OP-419 **MOOCs in Malaysian Higher Education: Stakeholder Analysis via Triple Task Theory**  
*Nor Fadzeleen Sa Don, Rose Alinda Alias, Naoki Ohshima*

11:20 - 12:30 SESSION 2

HALL 8

Chairman: *Binhan Elif Yılmaz Dinç*

OP-451 **Behavior of Aspect Ratio AIB2 Flakes on Al-B Alloys**  
*Necip Fazıl Yılmaz, Muhammed Paksoy*

OP-452 **Renewable Routes to Zeolite Synthesis and Their Modification**  
*Kafia Mawlood Shareef, Hemin Abdulqader Smail, Zainab Husen Ramily*

OP-453 **Experimentation on Early Introduction of a Hands-on Component Into Mechanical Engineering Education: Tinkerers' Laboratory (T-Lab)**  
*Cetin Cetinkaya*

OP-454 **Main Role of Technology in Our Life**  
*Yağut Mehdiyeva, Toğrul Nezirli*

OP-455 **Thermodynamics Analysis of a New Cylinder Offset Gasoline Engine**  
*Essam F Abo Serie, Nurgul Polat, Hasan Ozdamar*

11:20 - 12:30 SESSION 2

HALL 9

Chairman: *Çiğdem Börke Tunalı*

OP-489 **Evaluation of the Maintenance Practices in Mechanized Agriculture – SADC Region**  
*Patrick Francis Kapila, Brenda Mosatiwa Mongwai*

OP-490 **A Novel Portable Water Treatment Plant with Trio Effects Working Mechanism**  
*Hayder Alkhfaji Abdulbari, Edward Oluwasoga Akindoyo, Bamidele Victor Ayodele, John Olabode Akindoyo*

OP-491 **Economic Evaluation of Different Techniques for Palm Oil Mill Effluent treatment: A Case Study of Malaysia**  
*Edward Oluwasoga Akindoyo, Hayder A Abdulbari, Bamidele Victor Ayodele*

OP-492 **Structural Improvement of Train Rail with Different Heat Treatment Process**  
*Fatih Hayati Çakır, Osman Nuri Çelik*

OP-493 **The Potential of Reliability Centered Maintenance to Improve the Performance of Large Plants**  
*Adell Saleh Amer, Omar Ali Shaneb*

OP-494 **Methanol Based Extraction of Antipyretic Properties from Aquilaria Subintegra Spp. Dried Leaves**  
*Habsah Alwi, Ku Halim Ku Hamid, Wan Azfazanitul Iznor Anjuma*

12:30 - 13:40

LUNCH

13:40 - 14:50 PANEL 1

HALL 1

UNIVERSITY INDUSTRY COLLABORATION

Chairman: *Sefer Şener*

Dr. Ahmet Albayrak  
*Vice General Manager*



Erdal Erdem  
*Deputy General Manager: Artisans and SME Banking*



Hüseyin Eğilmezgil  
*General Manager*



Halil Tokel  
*General Manager Advisor*



Necmettin Kaymaz  
*Chief Project Director*



## 13:40 - 14:50 SESSION 3

HALL 2

**Chairman:** *Mohammad Bagher Ara Yesh*

**OP-252** Sources of Financing and R&D Investments in High Technology New Ventures  
*İşıl Yavuz*

**OP-253** "The Interdependency of Global Financial Markets and the Heightened Systemic Risk"  
*Kazım Dağhan Gökçe, Bora Tamer Yılmaz*

**OP-254** Do Muslim Countries Have Higher Islamic Banks Competitiveness? Analysis of Islamic Banks in Indonesia  
*Tastaftiyan Risfandy, Putri Permatasari Husa, Andi Asriharsari*

**OP-255** The Relation between Usage of Credit Card and E-Trade in Terms of Electronic Payments Systems: Case of Turkey  
*Elif Haykır Hobikoğlu*

**OP-256** Does Financial Innovation Lead up to the Crises ? Samples of the Major Financial Crises  
*Cansu Şarkaya İçellioglu*

**OP-257** Investigating the Effects of Psychological and Socio-Cultural Factors on the Tendency of Villagers to Use E-Banking Services (Case Study: Agricultural Bank Branches in Ilam)  
*Mohammad Bagher Arayesh*

## 13:40 - 14:50 SESSION 3

HALL 3

**Chairman:** *Mehmet Onur Gülbahar*

**OP-282** Innovations, Economic Growth and Intellectual Property Rights in China  
*Farrukh Nawaz Kayani*

**OP-283** Entrepreneurship and Economic Performance: A Macro Perspective Abstract  
*Seyhun Doğan, Ayhan Aytac*

**OP-284** R&D Defense Expenditures and Economic Growth in High Income OECD Countries  
*Serdar Kurt*

**OP-285** Troubled Economic Transition and Entrepreneurship Development in Bosnia and Herzegovina  
*Aida Zaimovic*

**OP-286** An Empirical Analyse Relationship Between the Research and Development Innovation and Economic Growth: 1990-2012  
*Zeynep Köse*

**OP-287** Collaborative Orientation as an Essential Dimension of Entrepreneurial Orientation in Agribusiness: Evidence from Albania  
*Alba Kruja, Arben Vercuni*

## 13:40 - 14:50 SESSION 3

HALL 4

**Chairman:** *Emre Varel*

**OP-317** Extraction of Modeling Parameters for Low-Loss Alternative Plasmonic Materials  
*Rakibul Hasan Sagor, Ghulam Saber, Kh. Arif Shahriar, Ruhul Amin*

**OP-318** The Impact of Thermal Annealing to the Efficiency and Stability of Organic Solar Cells Based on PCDTBT:PC<sub>71</sub>BM  
*Shahino Mah Abdullah, Zubair Ahmad, Khaulah Sulaiman*

**OP-319** Using Kraft Black Liquor as Wood Preservative  
*Sefa Durmaz, Emir Erisir, Umit Cafer Yildiz, Caglar Orcun Kurtulus*

**OP-320** Desalination of Produced Water Using Bentonite as Pre-Treatment and Membrane Separation as Main Treatment  
*Munawar Zaman Shahrudin, Nur Hidayati Othman, Nur Hashimah Alias, Siti Noorfatin Adila Ghani*

**OP-321** Effects of Ammonium Nitrate on Physico-mechanical Properties and Formaldehyde Emissions of Particleboard  
*Ugur Aras, Hülya Kalaycioglu, Hüsnü Yel, Gizem Bitek*

**OP-125** In Situ Preparation of Resol/ Sepiolite Nanocomposites  
*Ümran Burcu Alkan, Nilgün Kızılcın*

13:40 - 14:50 SESSION 3

HALL 5

Chairman: *Arzu İmren*

- OP-353 **The Evolution and Economic Influences of Online Banking as an Innovative Distribution Channel: The Case of Turkey**  
*Bahar Şanlı Güllübahar, Elif Haykır Hobikoğlu*
- OP-354 **Financial Innovation – Crowdfunding: Friend or Foe?**  
*Semen Son Turan*
- OP-355 **Interaction Between Internet Banking and Bank Performance in Developed Countries and Emerging Economies: The Case of Europe**  
*K. Batu Tunay, Necla Tunay, İlyas Akhisar*
- OP-356 **The Effects of Innovations on Bank Performance: The Case of Electronic Banking Services**  
*İlyas Akhisar, Necla Tunay, K. Batu Tunay*
- OP-357 **Transformation of Consumption Perceptions: A Survey on Innovative Trends in Banking**  
*Alper Değerli, Nermin Ceren Türkmən*
- OP-358 **Bank and Insurance of Garbage Become New Land Investment**  
*Fauzi Sani, Faiz Ahadina, Dimas Kalimasyada*
- OP-359 **New Products in the Islamic Finance Industry: An Overview of The World And Turkey**  
*Bahattin Erden, Ömer Faruk Aslan*

13:40 - 14:50 SESSION 3

HALL 6

Chairman: *İsmail Ekmekçi*

- OP-386 **Comparison of Edge Detection Algorithms for Texture Analysis**  
*Bayram Akdemir, Şaban Öztürk*
- OP-387 **Amino Acid and Fatty Acid Profile of the Mare's Milk Produced on Suusamyr Pastures of the Kyrgyz Republic During Lactation Period**  
*Aichurok Tashmatovna Mazhitova, Asylbek Atamyrzaevich Kulmyrzaev*
- OP-388 **Triz Methodology and an Application Example for Product Development**  
*İsmail Ekmekci, Mustafa Koksall*
- OP-389 **Corrosion Behaviour of Eutectic Molten Salt solution on Stainless Steel 316L**  
*Fuzieah Subari, Hafizul Faiz Maksom, Aiman Zawawi*
- OP-390 **Biosorption of Mn(II) ions from Aqueous Solution by *Pleurotus* Spent Mushroom Compost in a Fixed-Bed Column**  
*Ain Nihla Kamarudzan, Tay Chia Chay, Amnorzahirah Amir, Suhaimi Abdul Talib*
- OP-391 **Measure of the Chloride Permeability of the Pozzolana Concrete in Sulphate Middle**  
*Ahcene Merida, Fattoum Kharchi, Rabah Chaid*

13:40 - 14:50 SESSION 3

HALL 7

Chairman: *Çiğdem Börke Tunalı*

- OP-420 **A Maritime Research Concept Through Establishing Ship Fleet Operational Problem Solution Centre Via Information Technologies Integrated with OR/MS**  
*Omer Soner, Emre Akyuz, Metin Celik*
- OP-421 **Ground Granulated Blast Furnace Slag (GGBS) Based Concrete Exposed to Artificial Marine Environment and Sustainable Retrofitting Using Glass Fiber Reinforced Polymer (GFRP) Sheets**  
*Souvik Das, Gaurav Singh, Abdulaziz Abdullahi Ahmed, Showmen Saha, Somnath Karmakar*
- OP-422 **Developing Innovative Applications of Technical Drawing Course at the Maritime Training**  
*Murat Yapıcı*
- OP-423 **Six Sigma Implementations in Supply Chain**  
*Hikmet Erbyık, Muhsine Saru*
- OP-424 **A Scenario-Based Usability Test Approach for Improving Depersonalized Online Job Application Procedure**  
*Başar Öztayşi, Ahmet K. Süerdem*
- OP-425 **Energy, Innovations and Economic Development**  
*Bilal Nawaz Kayani*

13:40 - 14:50 SESSION 3

HALL 8

Chairman: *Elif Haykır Hobikoğlu*

OP-456 **E-Commerce Service Quality and Loyalty in Malaysia Hotel Industries**

*Mutia Sobihah Abd Halim, Mahadzirah Mohamad, Nor Azman Mat Ali @ Salim, Wan Zulqurnain Wan Ismail*

OP-457 **Mediating Role of Team Perception and Self Organization in the Effect of Organizational Creativity on Team Performance**

*Nimet Eryiğit, Tuna Uslu*

OP-458 **Uncertainty Amidst Change; Impact of Privatization on Employment Opportunities In Pakistan**

*Ahmed Muneeb Mehta*

OP-459 **Job Complexity vs Job Elimination**

*Ahmet Enes Güneş, Enes Eryarsoy, Emrullah Uludağ*

OP-460 **Reverse Mentoring Application to Develop Potential of Human Resource**

*Mehtap Aracı*

OP-461 **The Role of University in Industrial Cluster Emergence: The Case of Jewelry Cluster in Sa Kaeo Province, Thailand**

*Weeranan Kamnungwut, Porngrarm Virutamasen, Kageeporn Wongpreedee*

OP-462 **The Validity and Reliability of the Turkish Version of the Work Volition Scale**

*Aydin Söylemez, Ahmet Akın, Basri Özçelik, Ümran Akın, Ali Seçgin*

13:40 - 14:50 SESSION 3

HALL 9

Chairman: *Gürol Özçüre*

OP-495 **Investigating a Three Dimensional Complex of Polymers-Surfactant-Nanoparticle Additives as Drag Reducers in a Rotating Disk Apparatus (RDA)**

*Edward Oluwasoga Akindoyo, Hayder A. Abdulbari, Zainab S. Yousif, Emsalem A. Faraj*

OP-496 **Life Cycle Assessment of Bioenergy System from Napier grass: Case Study of Small-Scale Farm**

*Papapin Bangprasit, Parnuwat Usapein, Orathai Chavalparit*

OP-497 **Enhancement of Biogas Production from Acacia Hybrid Leave Using Alkaline Pretreatment**

*Pattawan Chaipapong, Orathai Chavalparit*

OP-498 **Optimization of Alkaline Thermo-Chemical Pretreatment for Enhancing Biogas Production of Acacia leaves by Response Surface Methodology**

*Kornkanok Dulyapach, Orathai Chavalparit*

OP-499 **Biogas Production from Effects of Harvest Napier Grass (Pak Chong 1) (Pennisetum Purpureum × Pennisetum Americanum)**

*Mayuree Chanpla*

OP-500 **An Exploration of Green Consumption Consciousness and Behaviour of Families from the Perspective of Sustainable Consumption: A Case Study of Muğla City**

*Gülşay Hız, Kübra Karaosmanoğlu, Tahir Benli*

14:50 - 16:00 PANEL 2

HALL 1

UNIVERSITY INDUSTRY COLLABORATION

Chairman: *Sedat Murat*

alBaraka

Mehmet Akif Demirtaş

Strategic Planning and Management Systems Manager

IGDAS  
"Göküzüyle Arkadaş"

Mutlu Sezen

Product Development Director

ZORLU ZORLUTEKS

## 14:50 - 16:00 SESSION 4

HALL 2

Chairman: *Ünal Çağlar*

OP-258 **Microfinance and Poverty Reduction: A Review and Synthesis of Empirical Evidence**
*Kamel Bel Hadj Miled*

OP-259 **Socio-Cultural Dimension of Innovation**
*Husnu Tekin, Omer Faruk Tekdoğan*

OP-260 **The Impact of Microfinance on Poverty Reduction: Empirical Evidence from Malaysian Perspective**
*Nurul Izwa Rashid*

OP-261 **The Influence of the Multi-Stakeholder Governance in the Performance of Cooperative Banks: Evidence of European Cooperative Banks**
*Maroua Bouker*

## 14:50 - 16:00 SESSION 4

HALL 3

Chairman: *Selva Staub*

OP-288 **The Validity and Reliability of Handball Game Module Based on Teaching Games for Understanding (TGfU) Method for Future Physical Education Teachers**
*Rozairreen Muszali, Mohd Izwan Shahril, Norkhalid Salimin*

OP-289 **Enhancing Learning Through Technology**
*Hanane Sarnou*

OP-290 **A Test Model Proposal Based on Evidence for Turkish and Socio-Cognitive Approach in Studies on Validity of Language Skill Tests**
*Kadir Yoğurtçu*

OP-291 **The Impact of Entrepreneurial Competencies on Pre-Service Teachers' Innovative Behavior**
*Mohd Asri Ispal*

OP-292 **Moving Learning Out of Class Through Web 2.0**
*Mustafa Aksar*

## 14:50 - 16:00 SESSION 4

HALL 4

Chairman: *Boukortt Abdelkader*

OP-322 **The Effect of Tilted Magnetic Field on Graphene Cones**
*Defne Akay*

OP-323 **The Characterization of the Irradiated ZrO<sub>2</sub> Transparent Thin Films**
*Defne Abaylı, Nilgün Baydoğan*

OP-324 **Copolymerization of Pyrrole and Thienyl End Capped Cyclohexanone Formaldehyde Resin with Ce (IV) Oxidic Dibenzoate**
*Yagmur Tatar, Esin Ateş Güvel, Nilgün Kızılcın*

OP-325 **Copolymerization of Pyrrole and Thienyl End Capped Poly (dimethylsiloxane) by Iron (III) Chloride**
*Duygu Gençoğlu, Esin Ateş Güvel, Görkem Ülkü, Nesrin Köken, Nilgün Kızılcın*

OP-326 **Development of Injection Moulding Process of Cobalt Based Alloy Powder for Potential Orthopedic Applications**
*Mohd Afian Omar, Rosliza Sayuti, Noorsyakirah Abdullah, Nurazilah Mohd Zainon, Fauzi Ismail, Mohd Yusuf Baharuddin*

OP-327 **Electronic and Magnetic Properties of Mn-Doped MgO**
*Boukortt Abdelkader*

## 14:50 - 16:00 SESSION 4

HALL 5

Chairman: *Ercan Saridoğan*

- OP-360 **The Effect of Lime Stone Powder on Collapsibility and Shear Strength on Gypsiferous Soil**  
*Nadhmia Najmaddin Majeed, Talar Othman Rashid*
- OP-361 **Modern Civilization Regions of The World**  
*Yaqut Mehdiyeva, Toğrul Nezirli, Zerife Nezirli*
- OP-362 **Low Electromagnetic Field Effects on Brain Tissues in Rats**  
*Yanti Rosli, Yap Hui Chin, Asmah Hamid, Farah Wahida Ibrahim*

## 14:50 - 16:00 SESSION 4

HALL 6

Chairman: *Arzu İmren*

- OP-392 **New Developments of Neutron Activation Analysis Applications**  
*Olga Shulyakova, Petr Avtonomov, Valeria Kornienko*
- OP-393 **Determination of 4'-Hydroxyacetanilide in Leaves Extract of *Aquilaria Malaccensis* by High Pressure Liquid Chromatography (HPLC)**  
*Siti Khairun Nissa Afif, Habsah Alwi, Ku Halim Ku Hamid*
- OP-394 **Drying Kinetics of *Nephelium Lappaceum* (Rambutan) in a Drying Oven**  
*Syarifah Nor Faizah Syed Abdul Rahman, Norazah Abd Rahman, Radziah Wahid*
- OP-395 **Selection Strategy Via Analytic Hierarchy Process: An Application for a Small Enterprise in Milk Sector**  
*Ayşenur Erdil, Hikmet Erbyık*
- OP-396 **Study of Interactions Mixtures (Biodegradable Polymer / Active Ingredient) Obtained by Different Methods of Preparation**  
*Damir Rebiha, Baitich Milad*
- OP-397 **Chemical Compositions of Essential Oil and Variations in Antioxidant Constituents and Properties in Different Organs of *Stachys byzantina* Grown in Turkey**  
*İbrahim Halil Geçibesler, İbrahim Demirtaş*

## 14:50 - 16:00 SESSION 4

HALL 7

Chairman: *Sefer Şener*

- OP-426 **What it Means to be a New Classical Economist**  
*Özlen Hiç Birol*
- OP-427 **Bayesian Expectations and Strategic Complementarity: Implications for Macroeconomic Stability**  
*Volkan Hacıoğlu*
- OP-428 **Determination of the Regional Impact on Innovation with an Ordinal Logit and a Multilevel Analysis**  
*Mouna Khiari, Jeleddine Ben Rejeb*
- OP-429 **The Analysis for the Validity of Compensation and Efficiency Hypotheses in Turkey Between 1975-2013**  
*Seda Bayraktar, Sefer Şener, Volkan Hacıoğlu*
- OP-430 **In Innovative Entertainment Economy Framework, Economic Impacts of Culture Industries: Turkey and Hollywood Samples**  
*Elif Hayk Hobikoğlu, Mustafa Çetinkaya*
- OP-431 **Adam Smith: The Inspirer of Modern Growth Theories**  
*Ayhan Ucak*

## 14:50 - 16:00 SESSION 4

HALL 8

Chairman: *Halim Kazan*

OP-463 **Pedagogical and Psychological Implications in Teaching ESP**  
*Melouka Ziani*

OP-464 **Science Diplomacy Network for Turkey: An Integrated Approach for International STI Cooperation**  
*Zafer Uygun*

OP-465 **The Efficacy of Technology Development Zones Creating of University Spin-off Companies: The Case of Turkey**  
*Adem Kalça, Yeşim Dindaroğlu, Belkas Bal*

OP-466 **Science-Technology Innovation Policies in Algeria: An Assessment**  
*Abdelkader Nouibat*

OP-467 **Which Strategies are Most Effective For Kindergarten English Language Learners?**  
*Rahime Filiz Kiremit*

OP-468 **His Presentation was The Justice Service Innovation Process (Innovation and the law)**  
*Mehmet Ali Akkaya*

OP-469 **Designing Public Policies to Support the Innovation Capacity of SMEs: A Theoretical Model Based on Innovation Profiles**  
*Gülesin Sena Daş, Murat Yülek*

## 14:50 - 16:00 SESSION 4

HALL 9

Chairman: *Kadir Tuna*

OP-501 **Numerical Analysis and Prediction of the Drag Reduction Efficacy of Microbubble Aided Rigid and Flexible Polymer Solutions in Turbulent Pipe Flow**  
*Edward Oluwasoga Akindoyo, Hayder A. Abdulbari, Zainab S. Yousif*

OP-503 **New Design of an Active Laser Vision Based Control System for Intelligent Robotic Welding System**  
*Jawad Muhammad, Essam Abo Serie, Halis Altun, Ayhan Diındar*

OP-504 **Current Status of Skilled Clinical Engineer in Developing Countries**  
*Anwar Hossain, Mohd Abdur Rashid, Rafiqul Islam, Mohiuddin Ahmad*

OP-505 **Electrochemical Regeneration of Chloride Contaminated NaY Zeolite Wastes from Petroleum Refinery**  
*Kavidsara Homchuen, Orathai Chavalparit, Rewadee Anuwattana*

## 16:00 - 16:30

## COFFEE BREAK

## 16:30 - 17:40 SESSION 5

HALL 1

Chairman: *Kamel Bel Hadj Miled*

OP-229 **DBMS as a Cloud Service: Advantages and Disadvantages**  
*Ylber Januzaj, Jaumin Ajdari*

OP-230 **The Effect of Variations in Micro-Components of Domestic Water Consumption Data on the Classification of Excessive Water Usage**  
*Nor Salyana Mohd Salleh, Khairul A Rasmani, Nur Izzah Jamil*

OP-231 **Systematic Review for Network Survivability Analysis in MANETS**  
*Azni Haslizan Ab Halim, Rabiah Rabiah Ahmad, Zul Azri Mohamad Noh, Farida Hazwani Mohamad Ridzuan, Najwa Hayaati Mohd Alwi*

OP-232 **Organisation Readiness Factors Towards IPv6 Migration: Expert Review**  
*Aspalilla Main, Nurul Azma Zakaria, Robiah Yusof*

OP-233 **Creating Scenarios and Using for Smart Systems Generated with Wireless Sensor Networks**  
*Murat Dener, Yunus Özkök, Cevat Bostancıoğlu*

16:30 - 17:40 SESSION 5

HALL 2

- Chairman:** *Tolga Ensari*
- OP-262** **Computer-Based Human Reliability Analysis Onboard Ships**  
*Emre Akyuz, Metin Celik, Erdem Bilgili*
- OP-263** **Security Type Comparision in Service Oriented Architecture Security**  
*Mirsat Yeşiltepe, Ömer Özgür Bozkurt*
- OP-264** **Hadoop Ecosystem and its Analysis on Tweets**  
*Can Uzunkaya, Tolga Ensari, Yusuf Kavurucu*
- OP-265** **Privacy Preserving Secure Online Advertising**  
*İsa Ölmez, Erinc İnci, Serkan Küçükbay, Mustafa Öger, Fatih Emekçi*
- OP-266** **Fire Detection Systems in Wireless Sensor Networks**  
*Murat Dener, Yunus Özkök, Cevat Bostancıoğlu*
- OP-267** **Fuzzy Logic and Dempster-Shafer Theory to Detect the Risk of Disease Spreading of African Trypanosomiasis**  
*Andino Maselena*

16:30 - 17:40 SESSION 5

HALL 3

- Chairman:** *Anıl Değermen Erenkol*
- OP-293** **Emotional Intelligence Analysis for Managers of Firms and Effects of Firms' Characteristics on EI: Adana Organized Industrial Zone Example**  
*Betül Taştan Miman, Mehmet Miman, Hakkı Can Korkmaz*
- OP-294** **The Change of Leadership Attitude**  
*Rahime Edibali*
- OP-295** **The Impact of Socio - Cultural Factors on Female Entrepreneurial Intention: The Case of Algeria**  
*Nesrine Bouguerra*
- OP-296** **Mediator Role of Organizational Innovation in the Relationship between Strategic Human Resource Practices and Intrapreneurship**  
*Ece Konaklıoğlu, Ayşe Atar*
- OP-298** **A Research to Examine Linking with the Impact of Entrepreneurship Training Over Entrepreneurship Tendency**  
*Haluk Tanrıverdi, Gül Nazik Bayram*

16:30 - 17:40 SESSION 5

HALL 4

- Chairman:** *Siti Shawalliah İdris*
- OP-328** **Recycling of Waste Rubber in Roller Compacted Concrete**  
*Meddah Abdelaziz, Beddar Miloud, Bali Abderrahim*
- OP-329** **Investigation of Residual Stress in Brake Pads**  
*Fatih Uzun, Ali Nezihi Bilge*
- OP-330** **Experimental Study on the Effect of Lime-Powder Addition on Performance of Algerian Swelling Soils**  
*Meddah Abdelaziz, Hamdane Ali, Gacem Mohamed El Habib*
- OP-332** **Technical Decision Making for Governments in Developing Countries: The Need for an Industrial Engineering Approach**  
*Ayyaz Ahmad*
- OP-333** **Solid Fuel Derived from Microwave Irradiation Pyrolysis of Empty Fruit Bunch for Co-Combustion with Coal**  
*Siti Shawalliah Idris, Norazah Abd Rahman, Khudzir Ismail*

16:30 - 17:40 SESSION 5

HALL 5

Chairman: *Bünyamin Bacak*

- OP-363 **The Validity and Reliability of the Turkish Version of the Workplace Forgiveness Scale**  
*Aydın Söylemez, Ahmet Akın, Basri Özçelik, Ümran Akın, Salih Serdar Börklü*
- OP-364 **Institutional Structure and Regulation of Nanotechnology in Turkey: Does Governance Viable Option**  
*Hikmet Kırık, İlhami Alkan Olsson, Johanna Alkan Olsson*
- OP-365 **Social Media: Facebook and Twitter as a Marketing Tool**  
*Pınar Yıldırım, Ülkü Demirel*
- OP-366 **Social Marketing: Roles of Trust, Consumer Knowledge and Perceived Needs**  
*Adilla Anggraeni, Sofjan Assauri, Sari Wahyuni, Bambang Wiharto*
- OP-367 **Attitudes of Academic Staff Towards Innovation and Entrepreneurship: Toros University Example**  
*Mehmet Miman, Okan Özkale, Betül Taştan Miman, Esra Karga*
- OP-368 **Factors Affecting the Recreation Activities of Students of Halic University**  
*Ali Erdoğan, Hacer Canatan*

16:30 - 17:40 SESSION 5

HALL 6

Chairman: *Ali Akdemir*

- OP-398 **The Multi-Faceted Consequences Carried by Turkey's Participation to the European Union's Framework Programmes for Research and Technological Development**  
*Armağan Gözkaman*
- OP-399 **The Impact of Virtual Chemistry Laboratory Instruction on Pre-Service Science Teachers' Inquiry Skills**  
*Ayfer Mutlu, Burçin Acar Şeşen*
- OP-400 **Modelling University-Industry-Government Interactions in Kazakhstan**  
*Yelena V Smirnova*
- OP-401 **The Use of New Media in Crisis Communication: A Case Study of Gallon Bottled Water Crisis in Turkey**  
*Elif Eşiyok Sönmez*
- OP-402 **Investigation of Teachers' Individual Innovativeness Levels and Lifelong Learning Competencies**  
*Eylem Yalçın İncik*
- OP-403 **Impact of Technological Change on Bulgarian Foreign Trade with Neighboring Countries after EU Accession**  
*Irena Nikolova*

16:30 - 17:40 SESSION 5

HALL 7

Chairman: *Cüneyt Dirican*

- OP-432 **The Validity of Wagner Law on Turkish Economy: An Ampirical Analysis**  
*Seda Bayrakdar, Selim Demez, Mustafa Yapar*
- OP-433 **An Empirical Analysis About Technological Development and Innovation Indicators**  
*Seyma Çalışkan Cavdar, Alev Dilek Aydın*
- OP-434 **The Role of an Intermediary Agent in Technology Integration Within Developing Countries: A Film Industry Perspective**  
*Khaleel Malik, Muhammad Shajjad Ahsan*
- OP-435 **The Impacts of Robotics, Artificial Intelligence on Business and Economics**  
*Cüneyt Dirican*
- OP-436 **Technological Development and Economic Development**  
*Hülya Kesici Çalışkan*
- OP-437 **Comparison of the Public Aids Between 1986 and 2014**  
*Ayhan Gençler, İdil Yıldırım*

## 16:30 - 17:40 SESSION 5

HALL 8

Chairman: *Gürol Özcüre*

OP-470 Hybrid Based Collaborative Filtering with Temporal Dynamics  
*Cigdem Bakir*

OP-471 A Framework for Integrated Health Care Services in Postnatal Care Via MyPostnatalSys - an Integration of Western and Traditional Malay Medicine  
*Raja Rina Raja Ikram, Mohd Khanapi Abd Ghani*

OP-472 Temperature Forecasting Based on Radial Basis Function Neural Networks  
*Afrak Ramadan Shaaib*

OP-473 Support Vector Clustering for High Precision Classification: Application on Fingerprints Clustering  
*Djeffal Abdelhamid, Souissi Mohamed Mounir, Chellouai Abdelhey*

OP-474 Web Mapping to Locate the Risk of Disease Spreading of the Disease  
*Andino Maselena*

OP-475 Proposed Smart Traffic Control Signal in Brunei Darussalam  
*Andino Maselena*

## 16:30 - 17:40 SESSION 5

HALL 9

Chairman: *Emre Veral*

OP-506 The Transport of Radical Species to Single and Double Strand Breaks in The Liver's DNA Molecule by a Hybrid Method of Type Monte Carlo-Diffusion Equation  
*Houcine Oudira, Ahmed Saifi*

OP-507 Nondestructive Measurement of Hardness In Welded Carbon Steels Using Ultrasonic Wave Velocity  
*Fatih Uzun, Ali Nezihi Bilge*

OP-508 A Wide and Flat-Gain of an Amplifier by Using Zirconia-Based Erbium-Doped Fiber (Zr-EDF) for Single Pass Operation  
*Arni Munira Markom, Arni Munira Markom, Sulaiman Wadi Harun*

OP-509 Characterization of Solid Char Derived from Effect of Radiation Time Study on Microwave Assisted Pyrolysis of Kitchen Waste  
*Zakiuddin Bin Januri, Siti Shawalliah Binti Idris, Norazah Binti Abd. Rahman, Amir Fadzrul Bin Abd. Rahman*

OP-510 Effect of Mass Loading and Microwave Absorber Application Method on the Yields of Product from Microwave Assisted Pyrolysis of Palm Oil Mill Effluent  
*Zakiuddin Bin Januri, Siti Shawalliah Binti Idris, Norazah Binti Abd. Rahman, Hafifah Amirah Binti Akhawan*

OP-511 Preparation of Sodium Aluminate from Spent Alumina from Petrochemical Industry  
*Vilaiwan Teankrajang, Orathai Chavalparit, Rewadee Anuwattana*

## 17:40 - 18:50 SESSION 6

HALL 1

Chairman: *Ercan Sarıdoğan*

OP-234 Solving the Yield Optimization Problem for Wafer to Wafer 3D Integration Process  
*Marwa Harzi, Saoussen Krichen*

OP-235 Smart Technologies with Wireless Sensor Networks  
*Murat Dener, Cevat Bostancıoğlu*

OP-236 An Efficient Genetic Algorithm for Large Scale Vehicle Routing Problem Subject to Precedence Constraints  
*Noraini Mohd Razali*

OP-237 Conception of Virtual Private Networks Using IPsec Suite of Protocols, Comparative Analysis of Distributed Database Queries Using Different IPsec Modes of Encryption  
*Muhammed Elezi, Bujar Raufi*

OP-238 Generating Digital Reputation Index: A Case Study  
*Sadi Evren Seker, Enes Eryarsoy*

17:40 - 18:50 SESSION 6

HALL 2

Chairman: *Kadir Tuna*

- OP-268 **Performance Analysis of Karatsuba Multiplication Algorithm for Different Bit Lengths**  
*Can Eyupoglu*
- OP-269 **2-Head Pushdown Automata**  
*Samson Ayodeji Awe*
- OP-270 **Real-Time Ride Share Based on Trusted Users for Riyadh City**  
*Henda Chorfi Ouertani, Arwa Alatee, Aseel Aloqeely, Laila Almutairi, Lamia Akjhriji, Sarah Aldossari*
- OP-271 **Analyzing Generic Network Location Service**  
*Laban Mwansa*
- OP-272 **Investigation of the Performance of Nikhilam Multiplication Algorithm**  
*Can Eyupoglu*

17:40 - 18:50 SESSION 6

HALL 3

Chairman: *Selva Staub*

- OP-300 **Success Story of a Local Women Entrepreneur in Pakistan**  
*Adeela Abrar, Amber Rana, Almas Zafar, Aasia Khan*
- OP-301 **Regional Innovation Competition Index: The Case of Turkish NUTS 1 and NUTS 2 Regions**  
*Yeşim Dindaroğlu, Ezgi Baday Yıldız, Adem Kalça*
- OP-302 **Assessing Design Policies from an Innovation Models Perspective: The Case of Turkey**  
*Hızır Tengüz Ünsal*
- OP-303 **The Role of Women in Turkish Economy from Feminist Economics Perspective**  
*Ruhan İşler*

17:40 - 18:50 SESSION 6

HALL 4

Chairman: *Ahmet İncekara*

- OP-334 **Potential Acacia and Its Mistletoe to Remove Heavy metals in Wastewater**  
*Roan Kurniawan*
- OP-335 **Preparation and Characterization of Poly-aniline/Iron Oxide Composites and Studying Their Activity in Colorization of Sunset Yellow Dye from Aqueous Solutions**  
*Salem Ali Jebreel*
- OP-336 **Determination of Amino Acids in 15 Varieties of Beans Grown in Kyrgyzstan by High-Perf. Liquid Chromatography with Ultraviolet Detection**  
*Aibek Umar Bodoshov*
- OP-337 **Photon Buildup Factor Investigation Depending on the Sample Thickness for the Some Compounds**  
*Aytaç Levet, Yüksel Özdemir, Melik Gül, Mehmet Büyükyıldız*
- OP-339 **Weak Localization and Weak Antilocalization in n- and p-type Modulation Doped GaInNAs/GaAs Quantum Wells**  
*Ferhat Nutku, Fahrettin Sarcan, Omer Donmez, Furkan Kuruoğlu, Selman Mutlu, Ayşe Erol, Saffettin Yıldırım, Çetin M Arkan*
- OP-340 **Study of Low Temperature Conduction in 2D p-GaAs**  
*Asmaa Chakhmane, Hassan El Idrissi, Abdelhamid Elkaaouachi*

17:40 - 18:50 SESSION 6

HALL 5

Chairman: *Halim Kazan*

OP-369 **The Effects of the Electronic Payments on Monetary Policies and Central Banks**  
*Özlem Durgun, Mustafa Caner Timur*

OP-370 **Protecting Infant Economies, Balkans Economies**  
*Fatbardha Kadiu, Nilufer Caliskan*

OP-371 **Efficiency Comparison of Participation and Conventional Banking Sectors in Turkey Between 2007-2013**  
*Nizamülmülk Güneş, Abdurrahman Yılmaz*

OP-372 **Application of a Hybrid Method in the Financial Analysis of Firm Performance**  
*Halim Kazan, Merve Ertok, Cihan Ciftci*

OP-373 **Analysis of Performance Regional Public Hospital; Used the Regulation of the Minister of Health no.1171/ Menkes/Per/VII/2011, The Balanced Scorecard, and Intellectual Capital Approach**  
*Yurniwati Yurniwati*

17:40 - 18:50 SESSION 6

HALL 6

Chairman: *Ali Akdemir*

OP-404 **Analysing the Importance and the Results of Decent Work Concept in Terms of Labour Market: Case of Turkey**  
*Elif Haykır Hobikoğlu*

OP-405 **Webquest as a Pedagogical Approach in Teacher Training for Technical Education Lecturers in Singapore**  
*Chien Hui Yang*

OP-406 **Panel Data Analysis of The Effects of Entrepreneurship and Innovation on Economic Growth**  
*Can Köse, Sefer Şener, Mustafa Özer*

OP-407 **Can Social Business Save the World from Poverty? How?**  
*Tugce Aslan*

OP-408 **R&D Tax Incentives**  
*Işıl Fulya Orkunoglu Şahin*

17:40 - 18:50 SESSION 6

HALL 7

Chairman: *Ali Akdemir*

OP-438 **Clustering and Innovation Concepts and Innovative Clusters: An Application on Technoparks in Turkey**  
*Tayfun Yıldız, Zafer Aykanat*

OP-439 **Innovation and Competitiveness**  
*Elife Akış*

OP-440 **Positive Influences of Green Innovation on Company Performance**  
*Mübeyyen Tepe Küçükoglu, R. İbrahim Pınar*

OP-441 **State of the Art for Sustainable Development: The Empirical Evidence From Dynamic Capabilities Theory of Technical Eco Innovation Efforts**  
*Nurul Izwa Rashid, Juhaimi Jabar, Salleh Yahya*

OP-442 **Make up as a Sign of Public Statu**  
*Sevtap Müzeyyen Aytuğ*

OP-443 **Evaluation of National Science and Technology Policies in Iran**  
*Reza Mahdi*

17:40 - 18:50 SESSION 6

HALL 8

Chairman: *Jaumin A. Ajdari*

OP-476 **A Version of Parallel Odd-Even Sorting Algorithm Implemented in CUDA Paradigm**

*Jaumin A Ajdari, Bujar Raufi, Xhemal Zenuni, Florije Ismaili*

OP-477 **Client Cyber Threat Risk Management Model**

*Ayşe Selçuk, İzzet Gökhan Özbilgin, Berke Çaplı*

OP-478 **A New Segmentation Approach to Uighur OCR**

*Metmimin Mahmut, Ahmet Cengizhan Dirican*

OP-479 **Comparison and Transformation of SQL to NoSQL**

*Fekriye Stafai, Jaumin E Ajdari*

OP-480 **Comparative Analysis of Mobile Travel Information Systems**

*Cemal Ardl*

OP-481 **Understanding Engagement Motivations for Using Computer Assisted Groupware:  
Using Qualitative Research for Eliciting User Requirements**

*Özge Demir, Ahmet K. Süerdem*

17:40 - 18:50 SESSION 6

HALL 9

Chairman: *Mehmet Marangoz*

OP-512 **An Evaluation of Integrated Gas Engine and A Thermal Storage System for Residential Applications**

*Omar Ali Shaneb, Mustafa Ali Elsherif, Adell Saleh Amer*

OP-513 **Seismic Performance of Mid-Rise and High-Rise Steel Moment Resistance Frames Subjected to Near and Far Field Strong Motions Using ASCE Scaling Method**

*Babak Behforouz*

OP-514 **Investigation of Laser Jet in Liquid Stream**

*Necip Fazıl Yılmaz, Ahmet Pürçüklü*

OP-515 **Investigation of the Effect of Axial and Rotational Velocities on the Flow Dynamics of a Rotating Shaft Cavity**

*Ahmet Yurtseven, Taner Coşgun, Ali Doğrul, Ferdi Çakıcı, Volkan Şahin, Nurten Vardar*

OP-516 **CFD Analysis of the Effect of Ship Form on Sewage Disposal**

*Volkan Şahin, Ahmet Yurtseven, Taner Coşgun, Levent Bilgili, Nurten Vardar*

09:00 - 10:10 SESSION 1

HALL 1

Chairman: *Mehmet Onur Gülbahar*

- OP-518 **Turbulent Taylor-Couette-Poiseuille Flow with Stepped Rotating Inner Rod**  
*Taner Coşgun, Ahmet Yurtseven, Ali Doğrul, Ferdi Çakıcı, Nurtten Vardar*
- OP-519 **Attitudes of Firms in Adana Organized Industrial Zone Towards Innovation**  
*Mehmet Mıman, Betül Taştan Mıman, Hakkı Can Korkmaz*
- OP-520 **The Impact of ISO 9000 Implementation on Profitability**  
*Omar Ali Shaneb, Mansour Salem Zaghinin, Adell Saleh Amer*
- OP-521 **Innovation Practices at ENSACAR S.A.: Changing from a Polypropylene Packaging Products Manufacturer to a Logistic Solutions Consulting Group**  
*Diana Gineth Ramirez Rios, Rodrigo Plata Cepeda, Sandra De La Hoz, Doyreg Maldonado*
- OP-522 **A New Mathematical Model for Hierarchical Chinese Postman Problem**  
*Mustafa Yılmaz, Akansha Shipra*

09:00 - 10:10 SESSION 1

HALL 2

Chairman: *Halim Kazan*

- OP-529 **Performance Analysis Based on Fuzzy Logic in Healthcare Systems and its Application**  
*Unal Atakan Kahraman, Harun Taskin*
- OP-530 **Strengthening and Repair Methods in Iraq for Reinforced Concrete Beams**  
*Gökhan Tunç, Anas Malik Mohammed*
- OP-531 **Hydrolyzed of Electrostatic Powder Coating Wastes and Using Them as Filling Material in Polyethylene**  
*Yılmaz Kısmet*
- OP-532 **Comparison of Photovoltaic Inverter Performance in Different Climatic Conditions**  
*Azhan Ab. Rahman, Zainal Salam, Sulaiman Sha'ari, Mohd. Zulkifli Ramli*
- OP-600 **Role of the U.S. Economy Driven Innovation Technology and Science Parks Development of the Country**  
*Yahya Özdemir*

09:00 - 10:10 SESSION 1

HALL 3

Chairman: *Elif Haykır Hobikoğlu*

- OP-539 **How Consumers and Smart Devices Co-Evolve?: The Case of Korea**  
*Sang Oun Lee, Jungsub Yoon*
- OP-540 **Licensing in a Hotelling Model with Quadratic Transportation Costs**  
*Fehmi Bouguezzi*
- OP-541 **Six Sigma Approach and Effects of Enterprises in Performance Indicators**  
*Muzaffer Ertürk*
- OP-542 **Persistency of Software Piracy in OECD: Panel Unit Root Approach**  
*Selim Yıldırım*
- OP-543 **R&D and Skills: Evidence from Greek Manufacturing Sector**  
*Dimitris Tzelepis, Eirini Manolopoulou*
- OP-544 **Measuring Operational Performance of ICT Small and Medium Enterprises in Malaysia**  
*Shaazim Ibhaiddullah Dadameah, Mohd Hassan Mohd Osman, Nennie Rosli Trianna, Mohammad Ridhuan Sabirin*
- OP-545 **The Fuzzy Logic for the Selection of the Transportation Type a Firm Application**  
*Halim Kazan, Elif Haykır Hobikoğlu*

09:00 - 10:10 SESSION 1

HALL 4

Chairman: *Çiğdem Börke Tunalı*

- OP-552 **Scripting of Chinese growth in S&T: Key Policy Initiatives Underlying This Evolution and Lessons for Others**  
*Sandhya G D, Mrinalini N( Natesa)*
- OP-553 **Exploring the Imperative of ICT in Effective Disaster Management: Exploring Innovative Vistas for Governments and Populaces**  
*Rana Saifullah Hassan, Mohammad Saad Malik, Aneeb Nawaz, Sajjad Mubin*
- OP-554 **How Much Does Exchange Rate Affect the Economy?**  
*Mehmet Çağrı Gözen, Selçuk Koç*
- OP-555 **Productivity, Markups and International Trade: The Case of Small Open Economy**  
*Umut Kilinc*
- OP-556 **The Effect of R&D Expenses on Firm Performance: A Study on Istanbul Stock Exchange**  
*Mehmet Sabri Topak*
- OP-557 **Achieving Smart Growth: The Quest for Comprehensive Policies of Innovation**  
*Asli Deniz Helvacioğlu, Arzu Tektas, Abdulmecit Karatas*

09:00 - 10:10 SESSION 1

HALL 5

Chairman: *Gültekin Faik Hobikoğlu*

- OP-563 **Innovative Treatments: Effect of Postnatal Magnesium Sulfate Infusion on Neurological Outcome of Term Neonates**  
*Zeeshan Ahmed Kayani*
- OP-564 **The Relationship Between Inovation and Financial Performance in Turkish Health Sector**  
*Nermin Ozgulbas, Ali Serhan Koyuncugil, Ceren Toprak*
- OP-565 **Some of Muslim Physicians Innovations Still Attributed to Western Minds**  
*Abdulnasser Kaadan*
- OP-566 **Innovation in Nursing Education: The Integration of Simulation Into Post-Graduate Education**  
*Fusun Terzioğlu, Handan Boztepe*
- OP-567 **Technical and Human Factors are Associated with Information Security**  
*Pınar Kılıç Aksu, R. Özgür Çatar, Nur Şişman Kitapçı, Leyla Köksal, Gonca Mumcu*
- OP-568 **Nursing Students' Perceptions of Simulation Design in Problem-Based Learning**  
*Hao Bin Yuan*
- OP-569 **New Approach in the Physical Therapy Demonstration for the Patients with Ankylosing Spondylitis in Turkey**  
*Erdal Erdal, Hasan Erbay, Kemal Üreten*

09:00 - 10:10 SESSION 1

HALL 6

Chairman: *Filiz Akyüz*

- OP-575 **Effect of Homogenization Medium on Permittivity of BaTiO<sub>3</sub> by Solid State Reaction**  
*Hatice Zehra Akbaş, Ferhat Guder, Zeki Aydın, Selvin Ustabas*
- OP-576 **Thermally Stable Encapsulation Material Based on Green and Red Lanthanide Phosphor for White Light Emitting Diodes**  
*Wedianti Shualdi, Nik Mohd Azmi Nik Abd Aziz, Nurul Huda Yusoff, Nor Adhila Muhammad, Khairuldin Mohd Isha*
- OP-577 **Effects of Scan Rate and KOH Electrolyte Concentration in Mesoporous Carbon Electrode**  
*Farinaa Md Jamil, Mohd Ali Sulaiman, Suhaina Mohd Ibrahim, Abdul Kadir Masrom, Muhd Zu Azhan Yahya*
- OP-578 **Effect of the Addition of Chemical Stabilizers on the Strength and Durability of Clay Characteristics**  
*Ramdane Bahar, Mouloud Benazoug*
- OP-579 **Electrochemical and Mechanical Properties of Surface Films and Their Relation to the Stress Corrosion Cracking of Steels**  
*Giuma Abdussalam Sasi*

## 09:00 - 10:10 SESSION 1

HALL 7

Chairman: *Kadir Tuna*OP-583 **Defense Expenditures and Economic Growth**  
*Sumaira Nawaz*OP-584 **Controlling Electrical Devices with Human Brainwaves**  
*Aravind Babu, Keerthana Bhaskar*OP-585 **An Efficient Car License Plate Detection Using Genetic Algorithm with a Camera Distance within a Given Range**  
*Jawad Muhammad, Halis Altun*

## 09:00 - 10:10 SESSION 1

HALL 8

Chairman: *Emre Varel*OP-590 **Different Role of Government-funded Research Institute and Universities within the Korean Government's R&D System**  
*Kwangseon Hwang*OP-591 **Testing Whether Innovation is Beneficial or Not: Political Economy of Financial Innovation and Financial Crisis Relation in the 2008 Financial Crisis**  
*Ömer Tuğsal Doruk*OP-592 **Evaluating the Effects of Microcredit Implementators on Women Entrepreneurship and Alleviating Poverty in Turkey**  
*Demet Çak, Anıl Hatice Değermen*OP-593 **A Lesson for the Istanbul Banking Sector by Using Capital Asset Pricing Model's Result Obtained from Pakistan**  
*Umar Nawaz Kayani*OP-594 **The Relationship Between Financial Innovation and Profitability: Empirical Evidence from Turkey**  
*Aysel Gündoğdu*OP-595 **The Role of Financial Innovation and Derivatives in Turkish Economy in the Context of 2008 Global Crises**  
*Nizamülmülk Güneş, Ferhat Pehlivanoglu*OP-596 **The Effect of Innovation on Financial Performance: A Research Study Involving the Most Innovative Companies in Turkey**  
*Elçin Şişmanoğlu, Burçay Yaşar Akçalı*OP-597 **Appointment Systemdesign for Operational Performance Targets**  
*Emre A Veral, Will P Millhiser*

09:00 - 10:10 VIDEO PRESENTATION HALL 9

- Chairman:** *Ercan Saridoğan*
- VP- 001** **Energy Consumption Model for Wireless Sensor Networks**  
*Mohammed Abo Zahhad, Osama Amin, Mohammed Farrag, Abdelhay Ali*
- VP- 002** **Usage of EAN-13 Barcodes for Poke-Yoke Applications in Animal Feed Industry**  
*Alperen Ekrem Çelikdin*
- VP- 003** **Improving the Quality of Life of Patients Through the Use of Wearable Sensor Devices**  
*Matúš Lieskovský, Vanda Lieskovská, Silvia Megyesiová*
- VP- 004** **Cyberpunk Vision and Human Manipulation in Don DeLillo's Point Omega**  
*Ruzbeh Babaei, Hardev Kaur Ap Jumar Singh*
- VP- 005** **ICT in Teaching/Learning Literature: The Case of English as a Foreign Language**  
*Boulenouar Mohammed Yamin*
- VP- 006** **Digital Badges for STEM Learning: Fostering Creativity, Innovation and Development of Transferable Competencies**  
*Angela Elkordy*
- VP- 007** **Comparing the Emotions of Entrepreneurship and Innovativeness for Turkish and English**  
*Elyase Iskender*
- VP- 008** **Poverty and Social Exclusion Versus Labor Market in the EU Member States**  
*Silvia Megyesiová, Vanda Lieskovská*
- VP- 009** **The Future of Social Innovation: Triggers, Best Practices and Frequent Mistakes, Based in Spanish Cases**  
*Blanca Herrero De Egaña Muñoz Cobo*
- VP- 010** **The Effects of Technological Innovation Policies on the Turkish Labor Market**  
*Osman Tezgel*

10:20 - 10:50 KEYNOTE SPEAKER HALL 1

**Stefano Fanti**  
Bologna University  
In Vivo Imaging with Radiotracers: From Nuclear Diagnostic to Theranostic

10:50 - 11:20 COFFEE BREAK

11:20 - 12:30 SESSION 1 HALL 1

- Chairman:** *Filiz Akyüz*
- OP-523** **Innovative Treatment Methods in Medicine: Treatment of Typhoid Fever in Children**  
*Amna Naveed*
- OP-524** **The Potential Applications of *Vitreoscilla* Hemoglobin for Bioethanol Production from Sugar Industry Wastes**  
*Taner Sar, Meltem Yesilcimen Akbas*
- OP-525** **The Control of Biofilm Formation of *Staphylococcus aureus* Strains Isolated from Raw Milk Samples**  
*Meltem Yesilcimen Akbas, Tuğba Kökimer*
- OP-526** **Applying Silver Nanoparticles to Ensure the Safety of Food Production Processes**  
*Gleb Balandin, Oleg Suworov, Anastasia Podushkina, Lubov Shaburova, Galina Ermolaeva*
- OP-527** **Bioethanol Production from Cheese Whey by *Escherichia coli* Expressing *Vitreoscilla* Hemoglobin**  
*Meltem Yesilcimen Akbas, Büşra Özçelik*
- OP-528** **Antiphytopathogenic and Antimicrobial Activity of Streptochlorin from Marine-Derived *Streptomyces* sp. 9CM17**  
*Kadriye Özcan, Ataç Uzel, Erdal Bedir*

11:20 - 12:30 SESSION 1

HALL 2

- Chairman:** *Gültekin Faik Hobikoğlu*
- OP-533** **Chitosan-Methylcellulose Hybrid as a Moist Skin Regeneration Matrix**  
*Azreena Mastor, Siti Hajar Kasim, Siti Farhana Hisham, Norhidayah Abu, Suriani Shamsudin, Abdul Yazid Abdul Manaf, Kartini Noorsal, Ahmad Hazri Ab Rashid*
- OP-534** **An Innovation in the Administration of Oral Medication to Children: The Oral Medicine Dispenser**  
*Handan Boztepe, Hakan Gürsu, Hakan Boğazpınar, Barış Gür*
- OP-535** **Complexity Optimization**  
*Nagehan UCA, Ahmet Özgür Doğan*
- OP-536** **Aging Effect Of Sol-Gel Solution on Characteristic Properties of ZnO:Al Nanowires**  
*Hale Tugral, Nilgun Baydogan, Huseyin Cimenoglu*
- OP-537** **Characterization and Corrosion Behavior of (Fe65Co35)70Al30 Nanostructure Alloys Obtained by Mechanical Alloying**  
*Ahmed Haddad, Karima Lounes, Mohammed Azzaz, Souad Brickchaouche*
- OP-538** **Effectiveness of Educational Leveling Citizen Views of Non-Formal Learning**  
*Fauzi Sani, Faiz Ahadina, Dimas Kalimasyada*
- OP-598** **Study of Calcination Temperature and Concentration of NaOH Effect on Crystallinity of Silica from Sugarcane Bagasse Ash (SCBA)**  
*Norhasyimi Rahmat, Mohd Alfie Sabali*

11:20 - 12:30 SESSION 1

HALL 3

- Chairman:** *Elif Haykır Hobikoğlu*
- OP-546** **Structural Problems of Small and Medium Sized Enterprises in Turkey and Solution Suggestions**  
*Ali Erdoğan, Hacer Canatan*
- OP-547** **The Impact of Social Contexts on The Production of Emphatics / Non Emphatic Cognates: Evidence from Socio-Phonetics**  
*Bakhta Abdelhay*
- OP-548** **The Role of Geographical Indications in the Way of Turning Domestic Values into the Touristic Brands: Under the Sample of Azerbaijan**  
*Farrukh Rahimov*
- OP-549** **Innovative Technology in New Media and Its Effects on Intellectual Property**  
*Ozan Günel*
- OP-550** **New Product Development Success and Strategic Orientations**  
*Çağrı Bulut, Seçil Pelin Aka*
- OP-551** **Sustainable Design and Production Activities Upon “Domestic Manufacturing”**  
*Murat Devrim Atılğan*

11:20 - 12:30 SESSION 1

HALL 4

- Chairman:** *Selva Staub*
- OP-558** **Analyzing of the Relationships Among Entrepreneurs’ Entrepreneurship, Innovation, Innovative Thinking and Level of Innovative Entrepreneurship**  
*Haluk Tanrıverdi, Makbule Alkan*
- OP-559** **Towards a Conceptual Model to Dissect a Company’s Innovative Capabilities and Strategic Position in a Knowledge Economy**  
*Barry Lin, Bingsheng Yi, Chia Wei Chen, Robert Pech*
- OP-560** **The Validity and Reliability of the Turkish Version of the Blended Working Scale**  
*Aydın Söylemez, Ahmet Akın, Basri Özgelik, Ümran Akın*
- OP-561** **Stakeholder Engagement to Innovation Process: Participatory Approach to Idea Generation and Product Conceptualization**  
*Sandy Çağlıyör, Ahmet K. Süerdem, İrem Turan*
- OP-562** **The Analysis of the Relationship of Social Skills, Problem Solving and Bullying in Adolescents**  
*Mehmet Engin Deniz, Recep Uysal, Evren Ersoy*

11:20 - 12:30 SESSION 1		HALL 5
Chairman:	<i>Donald Staub</i>	
OP-570	<b>Teacher's Approaches in Teaching 'Seni dalam Islam' (AA206) Polytechnic Malaysia: Developing 'Seni Mardhatillah' Model</b> <i>Mohamad Faisal Ahmad, Mohd Isa Hamzah, Khadijah Abdul Razak, Maria Mohammad</i>	
OP-571	<b>Metaphor Perceptions of Gifted Secondary School Students About "Mathematics"</b> <i>Elif Bahadır</i>	
OP-572	<b>ICT and ELT Classrooms</b> <i>Mohamed Grazib</i>	
OP-573	<b>Measuring The Maintenance Management Performance at Education Endowment-Based Buildings: Case Study of Johor Bahru</b> <i>Huraizah Arshad, Maizan Baba</i>	
OP-574	<b>A Research on Determination of Relationship Between Emotional Intelligence and Entrepreneurship Intention In Computer Education and Instructional Technologies</b> <i>Sami Acar, Dilek Uslu</i>	
11:20 - 12:30 SESSION 1		HALL 6
Chairman:	<i>Çiğdem Börke Tunalı</i>	
OP-580	<b>Entrepreneurial Cybernetics: Indigenous Entrepreneurship Models for Developing Countries</b> <i>Mustafa Ergen</i>	
OP-581	<b>In the Digital Economics Age, The Future of Central Banks and Banking After Global Financial Turmoil</b> <i>Cüneyt Dirican</i>	
11:20 - 12:30 SESSION 1		HALL 7
Chairman:	<i>Kadir Tuna</i>	
OP-586	<b>Innovative Ideas Through Collaboration with Potential Users</b> <i>Martin Hewing, Katharina Hölzle</i>	
OP-587	<b>Women Entrepreneurship: Contribution of Human and Social Capital to Overcome Gender Stereotype</b> <i>Haroon Muzaffar</i>	
OP-588	<b>From Innovation Potential to Innovation Capital</b> <i>Kadir Alpaslan Demir</i>	
OP-589	<b>The Situation of Turkey among EU Countries in Terms of Women Entrepreneurship Indicators: A Statistical Analysis</b> <i>Gizem Akıncı, Özge Eren</i>	
OP-599	<b>Nominal Gdp Targeting: A New Framework for Central Bank of Turkey</b> <i>Kadir Tuna, K.Dağhan Gökçe</i>	
12:30 - 13:40		LUNCH

POSTER PRESENTATION		POSTER AREA
PP-001	<b>Measuring the Contagion Across Hedge Fund Industry</b> <i>Sawssen Bouker</i>	
PP-002	<b>The Effects of Managerial and Corporate Applications on Employees by the Mediating Roles of Empowerment and Intrapreneurship</b> <i>Tuna Uslu</i>	
PP-003	<b>Effects of Instructional Curriculum Based on Cooperative Learning on Secondary School Students' Scientific Process Skills</b> <i>Filiz Avcı, Burçin Acar Şeşen, Fatma Gülay Kırbaslar</i>	
PP-004	<b>Sustainable Development via Social Responsibility Project: "The Youth are Looking to the Future with Confidence"</b> <i>Senem Demirkıran</i>	
PP-005	<b>Gender as a Determinant of Entrepreneurial Self-Efficacy: Case of Tunisians Entrepreneurs</b> <i>Sawssan Saadaoui</i>	
PP-006	<b>An Analysis on the Relationship between Teacher Candidates' Characteristics of Social Entrepreneurship and Their Level of Academic Risk Taking</b> <i>Çiğdem Çıngıl Barış, Zeliha Özsoy Güneş, Fatma Gülay Kırbaslar</i>	
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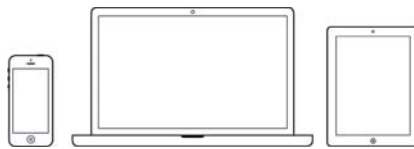
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