



ISTANBUL UNIVERSITY



# 3<sup>rd</sup> WORLD CONFERENCE ON TECHNOLOGY, INNOVATION AND ENTREPRENEURSHIP

"INDUSTRY 4.0 FOCUSED INNOVATION, TECHNOLOGY, ENTREPRENEURSHIP AND MANUFACTURE"

**June 21 - 23, 2019**  
**Istanbul Congress Center - Istanbul / Turkey**

**Honorary President**

Prof. Mahmut Ak, Rector of Istanbul University

**General Coordinator**

Prof. Sedat Murat, Rector of Çanakkale Onsekiz Mart University

**Chairman of the Conference**

Prof. Sefer Şener, Istanbul University



**FINAL PROGRAM**



**HALKBANK**

**TURKCELL**



**Ziraat Katılım**

**KUVEYT TÜRK**  
SAĞLAM BANKACILIK



**Bimtas**

**İSBK**

**TÜRKİYE CUMHURİYETİ**  
MİLLÎ EĞİTİM BAKANLIĞI

**DÖF**

**SAP**

**Microsoft**

**IBM**

**TRT**

**TURKISH TECHNIC**

**TEKNIK HİKAYE**

**eppa**

**OmaFil**

**DAMAT | TWEEEN**

**TEB**

**alBaraka**

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**İntegrated polymer**  
Industries, Inc.

**HAVELSAN**

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**TÜRKİYE**

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## ***Conference at a Glance***



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21 June 2019, Friday

## MAIN HALL

### OPENING CEREMONY

09.30  
11.00



**Prof. Dr. Sedat Murat**  
Rector of Çanakkale Onsekiz Mart  
University  
General Coordinator



**Prof. Dr. Mahmut Ak**  
Rector of Istanbul University  
Honorary President



**Dr. Hayri Baraşı**  
Secretary-General of Istanbul  
Metropolitan Mayor's Office



**Ali Yerlikaya**  
Governor of Istanbul



**Süleyman Soylu**  
Minister of Interior of  
the Republic of Turkey

### BREAK

### OPENING PANEL

11.15  
12.45



**Moderator:**  
**Tommy Calvert**  
Bexar County Commissioner,  
USA



**Speaker:**  
**Tom Raftery**  
Global Vice President, Futurist &  
Innovation Evangelist, SAP



**Speaker:**  
**Prof. Dr. Daniel Gueguen**  
Associate Partner, EPPA,  
Belgium



**Speaker:**  
**Ömer Barbaros Yiş**  
Executive Vice President –  
Marketing, Turkcell



**Speaker:**  
**Ahmet Hamdi Atalay**  
General Manager & CEO,  
HAVELSAN

12.45  
13.45

### LUNCH

### KEYNOTE SESSION

13.45  
15.15



**Moderator:**  
**Prof. Dr. Mihri Özkan**  
University of California, USA



**Speaker:**  
**Dr. Louis Agnese**  
President, University  
of the Incarnate World,  
USA



**Speaker:**  
**Metin Özdemir**  
General Manager,  
Ziraat Participation Bank



**Speaker:**  
**Ergün Kırılkovalı**  
Founder & President at  
IPI, USA



**Speaker:**  
**Dr. Mücahit Gündebahar**  
Architect CEO

15.15  
15.30

### BREAK

### KEYNOTE SESSION

15.30  
16.30



**Moderator:**  
**Prof. Dr. Cengiz S. Özkan**  
University of California, USA



**Speaker:**  
**Simge Alpargun**  
Financial Services  
Consultancy and Digital  
Technologies Leader, IBM



**Speaker:**  
**Prof. Dr. Volkan Vural**  
University of California,  
USA



**Speaker:**  
**Serkan Ömerbeyoğlu**  
Co-Founder, DGPays



**Speaker:**  
**Işıl Yalçın**  
Head of Ericsson  
Turkey



**Speaker:**  
**Dr. Selman Ortaköy**  
Operation Group Director,  
Kuveyt Turk Participation Bank

## HALL 1

## HALL 2

## HALL 3

## HALL 4

## HALL 5

## HALL 6

## HALL 7

## HALL 8

15.30  
16.30

ORAL PRESENTATIONS  
Session - 1

ORAL PRESENTATIONS  
Session - 2

ORAL PRESENTATIONS  
Session - 3

ORAL PRESENTATIONS  
Session - 4

ORAL PRESENTATIONS  
Session - 5

ORAL PRESENTATIONS  
Session - 6

ORAL PRESENTATIONS  
Session - 7

ORAL PRESENTATIONS  
Session - 8

16.30  
17.30

ORAL PRESENTATIONS  
Session - 9

ORAL PRESENTATIONS  
Session - 10

ORAL PRESENTATIONS  
Session - 11

ORAL PRESENTATIONS  
Session - 12

ORAL PRESENTATIONS  
Session - 13

ORAL PRESENTATIONS  
Session - 14

ORAL PRESENTATIONS  
Session - 15

ORAL PRESENTATIONS  
Session - 16

17.30  
18.30

ORAL PRESENTATIONS  
Session - 17

ORAL PRESENTATIONS  
Session - 18

ORAL PRESENTATIONS  
Session - 19

ORAL PRESENTATIONS  
Session - 20

ORAL PRESENTATIONS  
Session - 21

ORAL PRESENTATIONS  
Session - 22

ORAL PRESENTATIONS  
Session - 23

ORAL PRESENTATIONS  
Session - 24





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## 22 June 2019, Saturday

	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5	HALL 6	HALL 7	HALL 8
09.00	ORAL PRESENTATIONS Session - 25	ORAL PRESENTATIONS Session - 26	ORAL PRESENTATIONS Session - 27	ORAL PRESENTATIONS Session - 28	ORAL PRESENTATIONS Session - 29	ORAL PRESENTATIONS Session - 30	ORAL PRESENTATIONS Session - 31	ORAL PRESENTATIONS Session - 32
10.00	ORAL PRESENTATIONS Session - 33	ORAL PRESENTATIONS Session - 34	ORAL PRESENTATIONS Session - 35	ORAL PRESENTATIONS Session - 36	ORAL PRESENTATIONS Session - 37	ORAL PRESENTATIONS Session - 38	ORAL PRESENTATIONS Session - 39	ORAL PRESENTATIONS Session - 40
11.00	BREAK							
11.15	BREAK							

### MAIN HALL


#### KEYNOTE SESSION

11.15	 <b>Moderator:</b> <b>Ergün Kırlikovalı</b> Founder & President at IPI, USA	 <b>Speaker:</b> <b>Tommy Calvert</b> Bexar County Commissioner, USA	 <b>Speaker:</b> <b>Süleyman Orakcioğlu</b> Orka Holding, Chairman of the Executive Board	 <b>Speaker:</b> <b>Haydar N. Çolakoğlu</b> TEB Holding Corp., Member of the Executive Board	 <b>Speaker:</b> <b>Nazım Salur</b> Founder and Chairman of BiTaksi and Getir Applications	 <b>Speaker:</b> <b>Bülent Tekmen</b> Colendi, Partner
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12.45	LUNCH							
13.45	LUNCH							

### MAIN HALL

#### KEYNOTE SESSION

13.45	 <b>Moderator:</b> <b>Prof. Dr. Murat Taş</b> San Antonio College, USA	 <b>Speaker:</b> <b>Prof. Dr. Cengiz S. Özkan</b> University of California, USA	 <b>Speaker:</b> <b>Mustafa Mertcan</b> Founder and Chairman, Dof Robotik A.Ş.	 <b>Speaker:</b> <b>Assoc. Prof. Dr. İzzet Gökhan Özbilgin</b> Director of R&D, Technology and Product Management, Havelsan	 <b>Speaker:</b> <b>Murat Kansu</b> General Manager, Microsoft Turkey
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15.15	BREAK							
15.30	BREAK							

### MAIN HALL

#### KEYNOTE SESSION

15.30	 <b>Moderator:</b> <b>Özlem Kestioğlu Özel</b> Marketing Director SAP South Europe & Francophone Africa	 <b>Speaker:</b> <b>Prof. Dr. Mihri Özkan</b> University of California, USA	 <b>Speaker:</b> <b>Ayşe Nazmiye Uça</b> Datasis Information Technologies Corp. CEO	 <b>Speaker:</b> <b>Mehmet Ormanca</b> Business Banking Marketing and Sales Group Director, TEB Director	 <b>Speaker:</b> <b>Özlem Kestioğlu Özel</b> Marketing Director SAP South Europe & Francophone Africa
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15.30  
17.00



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## 23 June 2019, Sunday


	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5	HALL 6	HALL 7	HALL 8
09.00 10.00	ORAL PRESENTATIONS Session - 41	ORAL PRESENTATIONS Session - 42	ORAL PRESENTATIONS Session - 43	ORAL PRESENTATIONS Session - 44	ORAL PRESENTATIONS Session - 45	ORAL PRESENTATIONS Session - 46	ORAL PRESENTATIONS Session - 47	ORAL PRESENTATIONS Session - 48
10.00 11.00	ORAL PRESENTATIONS Session - 49	ORAL PRESENTATIONS Session - 50	ORAL PRESENTATIONS Session - 51	ORAL PRESENTATIONS Session - 52	ORAL PRESENTATIONS Session - 53	ORAL PRESENTATIONS Session - 54	ORAL PRESENTATIONS Session - 55	


## MAIN HALL


### KEYNOTE SESSION


10.00  
11.45


**Moderator:**  
**Prof. Dr. Ahmet İncekara**  
Istanbul University


**Speaker:**  
**Prof. Murat Taş**  
San Antonio College, USA

**Speaker:**  
**Yakup Sezer**  
Building the future of banking  
with Albaraka Garaj, Alneo and  
Insha

**Speaker:**  
**Hüseyin Emre Özsevimli**  
General Manager,  
Ozsevimli Consulting  
Teknik Hukuk™


**Speaker:**  
**Halil Tokel**  
Turkish Technic General  
Manager Consultant


**Speaker:**  
**Nejat Ege**  
Head Of Country Sales,  
ABB


**Speaker:**  
**Gökhan Arıksoy**  
Partner,  
Deloitte

### KEYNOTE SESSION

12.00  
12.45

**Moderator:**  
**Prof. Dr. Kıvanç Çefle**  
Istanbul University

**Speaker:**  
**Prof. Dr. Filiz Akyüz**  
Istanbul University  
Gastroenterology

**Speaker:**  
**Prof. Dr. Nuray Yazıhan**  
Coordinator, Head of Research  
Strategies Commission of Medical  
Faculty, Ankara University.

## CLOSING SESSION

12.45  
13.00





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## MAIN HALL

### OPENING CEREMONY



**Prof. Dr. Sedat Murat**  
Rector of Çanakkale Onsekiz Mart  
University  
General Coordinator



**Prof. Dr. Mahmut Ak**  
Rector of Istanbul University  
Honorary President



**Dr. Hayri Baraçlı**  
Secretary-General of  
Istanbul Metropolitan  
Mayor's Office



**Ali Yerlikaya**  
Governor of Istanbul



**Süleyman Soylu**  
Minister of Interior of  
the Republic of Turkey

09.30 - 11.00

11.00 - 11.15 BREAK

### OPENING PANEL

## Opening panel on Technology and Innovation Connection of Entrepreneurship Based on Industry 4.0



**Moderator:**  
**Tommy Calvert**  
Bexar County Commissioner, USA



**Speaker:**  
**Tom Raftery** - Global Vice President, Futurist & Innovation Evangelist, SAP



**Speaker:**  
**Prof. Dr. Daniel Gueguen** - Associate Partner, EPPA, Belgium



**Speaker:**  
**Ömer Barbaros Yiş** - Executive Vice President – Marketing, Turkcell



**Speaker:**  
**Ahmet Hamdi Atalay** - General Manager & CEO, HAVELSAN

11.15 - 12.45



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12.45 - 13.45 LUNCH

## KEYNOTE SESSION

### Management for Events of Innovation Development in Companies and Organizations



*Moderator:*  
**Prof. Dr. Mihri Özkan**  
*University of California, USA*



*Speaker:*  
**Dr. Louis Agnese** - *President, University of the Incarnate World, USA*



*Speaker:*  
**Metin Özdemir** - *General Manager, Ziraat Participation Bank*



*Speaker:*  
**Ergün Kırlikovalı** - *Founder & President at IPI, USA*



*Speaker:*  
**Dr. Mücahit Gündebahar** - *Architect CEO*

13.45 - 15.15





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15.15 - 15.30 BREAK

## KEYNOTE SESSION

### Innovations in Financial and Banking Organizations



*Moderator:*  
**Prof. Dr. Cengiz S. Özkan**  
University of California, USA



*Speaker:*  
**Simge Alpargun** - Financial Services Consultancy and Digital Technologies Leader, IBM



*Speaker:*  
**Prof. Dr. Volkan Vural** - University of California, USA



*Speaker:*  
**Serkan Ömerbeyoğlu** - Co-Founder, DGPays



*Speaker:*  
**Işıl Yalçın** - Head of Ericsson, Turkey



*Speaker:*  
**Dr. Selman Ortaköy** - Operation Group Director, Kuveyt Turk Participation Bank

15.30 - 16.30





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15.30 - 16.30 SESSION 1

HALL 1

**DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 1**

Moderator: İbrahim Baz

- OP - 1** A deep learning approach for final grasping state determination from motion trajectory of a prosthetic hand  
Cihan Uyanık
- OP - 2** Path planning for industrial robot milling applications  
Cengiz Deniz
- OP - 3** A deep learning approach for motion segment estimation for pipe leak detection robot  
Cihan Uyanık
- OP - 4** Rheological and mechanical behavior of mortars with metakaolin formulation  
Nadia Tebbal
- OP - 5** Optimization of glass powder for rate production of a new cement, trend properties physico mechanical of concrete  
Messaouda Belouadah

15.30 - 16.30 SESSION 2

HALL 2

**TECHNOLOGICAL INNOVATIONS IN MEDICINE - ENGINEERING INTERACTIONS**

Moderator: Filiz Akyüz

- OP - 6** System for planning and performing staging of medical investigations for diagnosis  
Eminullah Yaşar
- OP - 7** Quantification of 2D shape variation of abnormal proximal femurs over normal proximal femurs in bilateral hip MRI: A computerized MAINlysis for Legg-Calve-Perthes disease  
Abbas Memiş
- OP - 8** Fabrication of dual layer polyvinyl alcohol transdermal patch: effect of freezing-thawing cycles on morphological and swelling properties  
Shafizah Saadon
- OP - 9** Drug-loaded polyvinyl alcohol electrospun nanofibers for transdermal drug delivery: Review on factors affecting the drug release  
Shafizah Saadon
- OP - 10** Ergonomic room selection with intuitive fuzzy TOPSIS method  
Hilal Biderci

15.30 - 16.30 SESSION 3

HALL 3

**POLITICAL AND CULTURAL STUDIES OF INNOVATIONS**

Moderator: Cem Saatçioğlu

- OP - 11** The occupational safety culture as a subculture: The structure of occupational safety culture in Turkey  
Serenay Çalış
- OP - 12** The reputational effects of corporate political activities: An empirical research  
Rifat Kamasak
- OP - 13** The mediating roles of solidarity and intellectual capital on the relationship between resource dependency sub-dimensions and innovation performance  
Sevcan Pinar
- OP - 14** Healthcare application for smart cities based on deep learning and big data  
Brahim Lejdel
- OP - 15** Innovative approaches for embedded systems course laboratory in engineering education  
Kerem Atasın



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15.30 - 16.30 SESSION 4

HALL 4

### DIFFERENT INNOVATIVE IMPLEMENTATIONS IN MULTIPLE COUNTRIES

Moderator: Murat Yalçın

- OP - 16** Triple helix model and knowledge-based entrepreneurship in regional engagement: A case study of Thai and UK Universities  
Suteera Puangpronpitag
- OP - 17** The "place of camels" in bechar, from the rahba to the urban public place: uses and social potential  
Ratiba Wided Biara
- OP - 18** Avocado and coffee supply chains specialization in Colombia  
Santiago Quintero
- OP - 19** Strategic logo placement on packaging - Using conceptual metaphors of power in packaging – Evidence from Pakistan  
Tabassum Riaz
- OP - 20** Mainstreaming willingness among black owned informal SMMEs in South Africa  
Harris Maduku

15.30 - 16.30 SESSION 5

HALL 5

### INNOVATIVE POLICIES AND APPLICATIONS TOWARDS CREATING ALTERNATIVE ENERGY RESOURCES

Moderator: Hanifi Parlar

- OP - 21** Algorithm for sustainable energy efficiency solutions performance evaluation  
Mihaela Coroiu
- OP - 22** Water heat pump application with double stage back Injection  
Anil Ünlü
- OP - 23** Evaluation of thermodynamic analysis of solar energy systems integrated into sustainable buildings with artificial neural network: A case study  
Fahriye Enda Tolon
- OP - 24** Comparison of pedagogical beliefs of english and urdu teachers  
Iftikhar Ahmad Baig
- OP - 25** Teachers' perceptions of heads' instructional leadership practices and school culture  
Sadaf Jabeen

15.30 - 16.30 SESSION 6

HALL 6

### IMPACT OF INDUSTRY 4.0 ON BUSINESS LIFE AND INDUSTRY RELATIONSHIPS

Moderator: Resul Kurt

- OP - 26** Industry 4.0 in terms of industrial relations and it's impacts over the labour life  
Resul Kurt
- OP - 27** Interpersonal-Service tasks and the change in the US employment structure  
Orhun Sevinç
- OP - 28** A Bibliometric analysis on industry 4.0 focused Turkey e-accounting applications  
Fatma Tektüfekçi
- OP - 29** The relationship between industry 4.0 and competitiveness  
Meryem Türel
- OP - 30** A paradigm shift for education in life sciences: A case study from the Netherlands  
Cagatay Catal





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15.30 - 16.30 SESSION 7

HALL 7

## RESEARCH OF CONNECTION BETWEEN ECONOMIC - HUMAN DEVELOPMENT AND INNOVATION IN CONTEXT OF VARIOUS COUNTRIES

Moderator: Yusuf Balci

- OP - 31** Critical issues in innovation and economic development  
Yusuf Balci
- OP - 32** Investigating the relation between technology and economic growth  
Aynur Pala
- OP - 33** Crowdfunding awareness in turkey and innovativeness  
Ibrahim Sirma
- OP - 34** The pakistan airborne light amplification stimulated emissions radiated system for maritime safety expanding hydro energy  
Shafiq Ur Rehman
- OP - 35** Investigation of the relationship between economic complexity level and human development level:  
Comparison of advanced and developing countries  
Semanur Soyuyigit

15.30 - 16.30 SESSION 8

HALL 8

## ANALYSES OF APPLICATIONS OF INDUSTRY 4.0

Moderator: Tarik Zaimovic

- OP - 36** Industry 4.0 and competitiveness  
Hasan Cebi Bal
- OP - 37** Examining the concept of industry 4.0 studies using text mining and scientific mapping method  
Tayfun Yildiz
- OP - 38** Setting speed-limit on Industry 4.0 – an outlook of power-mix and grid capacity challenge  
Tarik Zaimovic
- OP - 39** Bacteriophages as powerful tools for monitoring and treatment of domestic wastewater  
Basem Shomar
- OP - 267** Self regulation dreaming and hope  
Merve Apaydin



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16.30 - 17.30 SESSION 9

HALL 1

**DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 2**

Moderator: Yerbol Tileuberdi

- OP - 40** Priority management of the handoff requests in mobile cellular networks  
Messaoud Garah
- OP - 41** Electronic design verification tests for led driver: Analysis and implementation of worst case tests  
Mehmet Caner Başol
- OP - 42** Assessment of environmental radioactivity and health hazard in soil, water and stone samples in Siverek town of Sanliurfa province in southeastern Turkey  
Ilker Can Çelik
- OP - 43** Pvc and polietilentereftalat in the processes of combustion with substandard coal  
Marat Iztileuovich Tulepov
- OP - 44** Obtaining carbon materials from rubber crumb  
Yerbol Tileuberdi

16.30 - 17.30 SESSION 10

HALL 2

**DEVELOPING NEW ENTREPRENEURS AND SME'S**

Moderator: Murat Kasımoğlu

- OP - 45** SMEs in the contemporary era of global competition  
Nida Masroor
- OP - 46** Cultivating entrepreneurs: Role of the university environment, locus of control and self-efficacy  
Talat Islam
- OP - 47** Strategic entrepreneurial awareness and business performance: empirical evidence from small and medium-sized enterprises (SMEs) in Thailand  
Pankom Sriboonlue
- OP - 48** Digital transformation process and SMEs  
Dilber Ulaş
- OP - 49** The relationship between organizational citizenship behavior and entrepreneurial orientation: A research in the hospitality industry  
Gizem Taşkıran

16.30 - 17.30 SESSION 11

HALL 3

**MANAGEMENT OF EMOTIONAL CAPITAL AND THEIR INNOVATIONAL CONNECTION**

Moderator: Cafer Şafak Eysel

- OP - 50** The effect of emotional capital on individual innovativeness: A research on Bahçeşehir University business administration undergraduate students  
Cafer Şafak Eysel
- OP - 51** Knowledge sharing in a multicultural higher education institution  
Shaidah Jusoh
- OP - 52** Automated crawling process for specific information on websites that publish job offers on the field of technology  
Ylber Januzaj
- OP - 53** Corporate sustainability approach for local government  
Ramazan Özcan Yıldırım
- OP - 54** A conceptual view of blockchain and governance  
Dilek Dede

16.30 - 17.30 SESSION 12

HALL 4

**INNOVATIONS AND NEW METHODS OF MATERIAL ON PRODUCTION AND PROCESS MANAGEMENT IN DIFFERENT SECTORS**

Moderator: Mehmet Emin Özel

- OP - 55** Valorization of aluminium waste on the Mechanical Performance of mortar subjected to freeze-thaw cycles  
Nadia Tebbal
- OP - 56** Evaluation of the development level of provinces by grey cluster analysis  
Ömer Karakoç
- OP - 57** Clustering analysis application on Industry 4.0-driven global indexes  
Merve Doğruel Anuşlu
- OP - 263** Leadership approach in occupational safety: Taiwan sample  
Çağdaş Çalış
- OP - 264** Occupational health and safety management systems applications and a system planning model  
Serenay Çalış





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16.30 - 17.30 SESSION 13

HALL 5

## DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 3

Moderator: *Nadia Tebbal*

- OP - 58** Industry 5.0 and human-robot Co-working  
*Gozde Doven*
- OP - 59** Experimental characterization of ordinary concretes obtained by adding construction waste (glass, marble)  
*Nadia Tebbal*
- OP - 60** Novel flow field for proton exchange membrane fuel cells made from 72%-Porous aluminum-Foam  
*Nihad Dukhan*
- OP - 61** Effect of early equipment work on maintenance cost  
*Yusuf Sirri Erkuş*
- OP - 62** Design and simulation of ANFIS controller for increasing the accuracy of leaf spring test bench  
*Elif Üstünişik*
- OP - 63** A review of digital brand positioning strategies of internet entrepreneurs in the context of virtual organizations: Facebook, Instagram and Youtube samples  
*Yağmur Sacide Bahçecik*

16.30 - 17.30 SESSION 14

HALL 6

## RESEARCH OF CONNECTION BETWEEN ECONOMIC - HUMAN DEVELOPMENT AND INNOVATION IN CONTEXT OF VARIOUS COUNTRIES 2

Moderator: *Kadir Tuna*

- OP - 64** The effect of energy efficiency on economic growth in Turkey: A scenario-based approach for 2023 and 2030  
*Ahmet Tarik Karakas*
- OP - 65** The causality relationship between innovation, competitiveness and foreign trade in developed and developing countries  
*Deniz Delican*
- OP - 66** Harmonization and simplification roles of technology transfer offices for effective university – industry collaboration models  
*Fatih Tunca*
- OP - 67** The relationship between high-technology exports, patent and economic growth in Turkey (1990-2015)  
*Deniz Dilara Dereli*
- OP - 68** Self-Sustaining solar system by utilizing solar cell from Non-Degradable waste  
*Bushra Naeem*

16.30 - 17.30 SESSION 15

HALL 7

## DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 4

Moderator: *Özlem Atan*

- OP - 69** Simulation-based parametric study for the hybrid superplastic forming of AZ31  
*Fatima Ghassan Al Abtah*
- OP - 70** The influence of the addition of glass powder and marble powder on the physical and mechanical behavior of composite cement  
*Messaouda Belouadah*
- OP - 71** Autonomous climbing robot for tank inspection  
*Özgür Acar*
- OP - 72** Contribution to the study of modified bitumen behavior by the association (EVA-NBR-Plastic Waste) to aging  
*Smail Haddadi*
- OP - 73** Printed circular antenna array for reduce SLL and high directivity using cuckoo search algorithm  
*Houcine Oudira*



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**21 June 2019, Friday**

**16.30 - 17.30 SESSION 16**

**HALL 8**

## **THE MANAGEMENT OF INNOVATIVE AND TECHNOLOGICAL EFFORTS IN FIRMS 2**

*Moderator: Nurul Sakina Mokhtar Azizi*

- OP - 74** The Importance of benchmarking for the management of the Firm: Evaluation the relation between total quality management and betchmarking  
*Ayşenur Erdil*
- OP - 75** User anxiety as an external variable of technology acceptance model: A meta-Analytic study  
*Merve Kır*
- OP - 76** Aligning building managers and occupants' strategies for encouraging energy-saving behavior in non-residential buildings  
*Nurul Sakina Mokhtar Azizi*
- OP - 77** Making sense of energy-saving behaviour: a theoretical framework on strategies for behaviour change intervention  
*Zahirah Mokhtar Azizi*
- OP - 177** The causality effects of manufacturing sector on some macroeconomic variables in Turkey  
*Cigdem Borke Tunalı*

**17.30 - 18.30 SESSION 17**

**HALL 1**

## **DIFFERENT INNOVATIVE IMPLEMENTATIONS IN DIFFERENT INDUSTRIES**

*Moderator: Faik Çelik*

- OP - 78** Smart beer production as a possibility for cyber-attack within the industrial process in automatic control  
*Valdrin Beluli*
- OP - 79** An evaluation on lifecycle of products in textile industry of Turkey Through quality function deployment and pareto analysis  
*Ayşenur Erdil*
- OP - 80** A netrographic analysis on collaborations between youtubers and brands  
*Merve Genç*
- OP - 81** Internationalization and brand value in jewellery industrie  
*Raife Yaşar Eyiler*
- OP - 82** The selection of railway system projects with multi criteria decision making methods: A case study for Istanbul  
*Nihan Yücel*

**17.30 - 18.30 SESSION 18**

**HALL 2**

## **THE MANAGEMENT OF INNOVATIVE AND TECHNOLOGICAL EFFORTS IN FIRMS**

*Moderator: İsmail Ekmekçi*

- OP - 83** An assessment of technology upgrading in selected knowledge-based firms in Southwestern Nigeria  
*Titilayo Olubunmi Olaposi*
- OP - 84** Analysis of the effect of innovation strategy and technological turbulence on competitive capabilities and organizational innovativeness in technology firms  
*Zafer Adıguzel*
- OP - 85** Evaluation of data sharing in production firms and innovation orientation in the effect of management capability on operational performance  
*Zafer Adıguzel*
- OP - 86** Forecasting of innovation in the light of semantic networks  
*Cigdem Baskici*
- OP - 87** Innovative new product development: A case study  
*Serkan Altuntas*
- OP - 266** An analysis of importance of innovative behaviours of ground handling human resources in ensuring customer satisfaction  
*Vildan Durmaz*





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## 21 June 2019, Friday

### 17.30 - 18.30 SESSION 19

HALL 3

#### THE POTENTIAL OF DIFFERENT COUNTRIES OF INNOVATION, GROWTH AND ENTREPRENEURSHIP

Moderator: Çiğdem Börke Tunali

- OP - 88 Global production and the role of China in global production  
Alp Eren Güney
- OP - 89 Impact of high technology export on economic growth: An analysis on Turkey  
Begüm Erdil Şahin
- OP - 90 The determinants of entrepreneurship in Turkey  
Cigdem Borke Tunali
- OP - 91 Improving innovation capabilities of technology transfer recipient firms in developing countries  
Khaleel Malik
- OP - 92 The Pakistan first global method for mobile communication founded electronic babushka  
Shafiq Ur Rehman

### 17.30 - 18.30 SESSION 20

HALL 4

#### NEW APPLICATIONS IN FOOD INDUSTRY

Moderator: Şule Eryürük

- OP - 93 Pure water production technology by electrodeionization method  
Erdal Ertürk
- OP - 94 Reliability centered maintenance practices in food industry  
Oğuzhan Yavuz
- OP - 95 Research and development approaches and implementation issues in agricultural machinery sector; Konya case  
Şule Eryürük

### 17.30 - 18.30 SESSION 21

HALL 5

#### FINANCING OF INNOVATIVE ACTIVITIES, AND FINANCIAL INNOVATION

Moderator: Ahmet İncekara

- OP - 96 A hybrid process mining approach for business processes in financial organizations  
Fikri Aydemir
- OP - 97 Modelling financial crises in developing countries: A dynamic panel profit model with unobserved heterogeneity  
Gülden Poyraz
- OP - 98 Feature selection in credibility study for finance sector  
Ali Tunç
- OP - 99 Financial Innovation: The missing-link between financial development and economic growth  
Ebubekir Mollaahmetoğlu

### 17.30 - 18.30 SESSION 22

HALL 6

#### INNOVATION ISSUES IN SME'S

Moderator: Mithat Zeki Dinçer

- OP - 100 What hinder SMEs from adopting E-commerce? A multiple case analysis  
Chihab Benmoussa
- OP - 101 Towards innovative SMEs: An Empirical study of regional small and medium enterprises in Thailand  
Suteera Puangpronpitag
- OP - 102 An empirical study to explore the interplay of managerial and operational capabilities to infuse organizational innovation in SMEs  
Zulfiqar Ali



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17.30 - 18.30 SESSION 23

HALL 7

## MACRO INNOVATIVE APPLICATIONS AND PROJECTS IN DIFFERENT COUNTRIES

Moderator: Öyke İyigün

- OP - 103** E-Government: A case study in Jordan  
Essam Said Hanandeh
- OP - 104** Modeling the national knowledge ecosystem: Policy implications for Iran  
Yaghoub Enterzari
- OP - 105** Financial literacy assessment in Bosnia and Herzegovina  
Azra Zaimovic

17.30 - 18.30 SESSION 24

HALL 8

## PERFORMANCE MEASUREMENT AND FINANCIAL EVOLUTION IN DIFFERENT SECTORS

Moderator: Fatma Ünlü

- OP - 106** Self - assessment performance measurement in construction company: An application of the EFQM excellence model  
Duygu Hıdıroğlu
- OP - 107** Evaluation of the financial investment preferences of individual investors from behavioral finance: The case of Istanbul  
Mustafa Yurttadur
- OP - 108** Place in Turkish banking sector of non-performing loans  
Mustafa Yurttadur
- OP - 109** Factors influencing the adoption of computerized accounting system among small and medium scale food and beverage firms in southwestern Nigeria  
Titilayo Olubunmi Olaposi
- OP - 110** The measurement of industry 4.0 performance through industry 4.0 index: An empirical investigation for Turkey and european countries  
Fatma Ünlü
- OP - 111** A literature review of elements and factors of the sustained success  
M Chukri Idris



# BİZ SİZİ TANIYORUZ



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# [ Tarihi teknoloji ile koruyoruz! ]



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Planlı ve sağlıklı kentleşmenin gereği olan altı ve üstyapı yatırımlarının gerçekleşmesi için kamu ve özel kuruluşlara mühendislik, müşavirlik ve proje hizmetleri veren Bimtaş, aynı zamanda tarihi teknolojinin yardımıyla koruyor ve yapıların gelecek nesiller ile buluşmasını sağlıyor.

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09.00 - 10.00 SESSION 25

HALL 1

**ORGANIZATIONAL GOVERNANCE DECISION KNOWLEDGE SHARING**

Moderator: Harun Demirkaya

- OP - 112 Future skills requirements analysis in maritime industry  
Emre Akyüz
- OP - 113 A comparative research of machine learning impact to future of maritime transportation  
Emre Akyüz
- OP - 114 Model selection of radar sea-clutter using cross validation method  
Amar Mezache
- OP - 115 The relation between technology and economic growth  
Aynur Pala

09.00 - 10.00 SESSION 26

HALL 2

**LEADERSHIP AND ITS INNOVATIVE CONNECTIONS IN DIFFERENT ORGANIZATIONS**

Moderator: Betül Ayça

- OP - 116 Investigating the impact of authentic leadership on job satisfaction: A research on hotel enterprises in Istanbul  
Betül Ayça
- OP - 117 Impact of training on employee motivation in human resources management  
Banu Ozkeser
- OP - 118 Joint stock companies: A financing remedy for SMEs of under developing countries  
Nida Masroor
- OP - 119 The effectiveness of governmental grant mechanisms: Linking with entrepreneurship  
Mehmet Onur Partal
- OP - 120 A literature review on the changing role of angel investors in entrepreneurial ecosystem  
Sümeyra Gürbulak

09.00 - 10.00 SESSION 27

HALL 3

**ENTREPRENEURSHIP MODELS OF NEW GENERATIONS**

Moderator: Semanur Soyyiğit

- OP - 121 Entrepreneurial intentions of generation-Z: Compare of social sciences and natural sciences undergraduate students at Bahçeşehir University  
Cafer Şafak Eysel
- OP - 122 Travel blogs as an example of Internet entrepreneurship: Turkish travel blogs  
Merve Genç
- OP - 123 What ecosystem model to support the creation of social innovation technopoles?  
Zineb Znagui
- OP - 124 Analysis of factors leading to entrepreneurial intention  
Emine Banu Bilgiseven
- OP - 125 Interconnected areas of research: Collaborations in social innovation  
Derya Findik

09.00 - 10.00 SESSION 28

HALL 4

**ORGANIZATIONAL GOVERNANCE DECISION KNOWLEDGE SHARING 2**

Moderator: Faik Çelik

- OP - 126 A brief summary of knowledge management domain: 21-Year history of the journal of knowledge management  
Tuğba Koç
- OP - 127 The effect of organizational justice and organizational commitment on knowledge sharing and firm performance  
Hülya Türkcan
- OP - 128 Corporate governance and welfare/corporate governance in Turkey  
Faik Çelik
- OP - 129 The effect of critical thinking in making the right decisions in the new venture process  
Naz Yıldız



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**09.00 - 10.00 SESSION 29**

**HALL 5**

## **DATA SCIENCE AND PRACTICE**

*Moderator: Elif Hobikoğlu*

- OP - 130** Personalized recommender systems for big data using distributed spark framework  
*Zareen Alamgir*
- OP - 131** Data science for personal use – practical examples  
*Erol Mrzic*
- OP - 132** RFID technologies in industry 4.0 applications  
*Adem Kayar*
- OP - 133** Relationship between digital gender divide and woman employment within the context of industry 4.0: Comparison of Turkey and Germany  
*Zümrüt Ecevit Satı*
- OP - 134** Application of industry 4.0 on biomass liquefaction study: A case study  
*Cemil Koyunoğlu*

**09.00 - 10.00 SESSION 30**

**HALL 6**

## **THE RELATIONSHIP BETWEEN PERFORMANCE AND INNOVATION**

*Moderator: Mutlu Erbay*

- OP - 135** Institutional change and innovation system transition: A study of the triple helix innovation system in India  
*Padma Suresh Mandala*
- OP - 136** 4th industrial revolution and agriculture; A patent based technology trend analysis  
*Ekrem Erdal Bektaş*
- OP - 137** State role in the development of innovative startups challenges and opportunities in Georgia  
*Ana Tcheishvili*
- OP - 138** Information technologies on museums and exhibitions  
*Mutlu Erbay*
- OP - 139** The investigation of the civil aviation industry under the criteria of airline selection  
*Tüzün Tolga Inan*

**09.00 - 10.00 SESSION 31**

**HALL 7**

## **NEW APPROCHES FOR CRISIS MANAGEMENT**

*Moderator: Majid Ali*

- OP - 140** Crisis prediction for 2019 using artificial neural networks  
*Sümeyye Sevim*
- OP - 141** Development of a framework for cyber crime investigation  
*Ayşe Okutan*
- OP - 142** Comparison of digital and non-digital factors on perception of mobile banking users  
*Majid Ali*
- OP - 143** Factors affecting E-loyalty in digital banking: A case of pakistan banking sector  
*Aamir Sohail*
- OP - 265** How Reliable Variables That Entered On SGK Accident e-Notice?  
*Çağdaş Çalış*





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**09.00 - 10.00 SESSION 32**

**HALL 8**

### **DECISION - MAKING SUPPORT AND MANAGEMENT INFORMATIONS SYSTEMS**

*Moderator: İsmail Ekmekçi*

- OP - 144** Triz methodology and applications  
*İsmail Ekmekçi*
- OP - 145** House price prediction: A case study for Istanbul  
*Mert Erşen*
- OP - 146** Information and communication technologies development index: Regional analysis of Turkey  
*Tugba Guz*
- OP - 147** An Innovative technology: Augmented reality based information systems  
*İzzet Gökhan Özbilgin*
- OP - 148** Information and communication technologies development index: Global analysis and digital divides  
*Tugba Guz*
- OP - 149** Analysis of International trade in the belt and road initiative in terms of broad economic classification  
*Semanur Soyyiğit*

**10.00 - 11.00 SESSION 33**

**HALL 1**

### **NEW TRENDS ON BANKING AND FINANCIAL SYSTEMS**

*Moderator: Cansu Şarkaya*

- OP - 150** An investigation on the volatility of cryptocurrencies by panel data analysis  
*Selma Simen Öner*
- OP - 151** The effect of the funds provided by participation banks on the export of Turkey  
*Büşra Engin Öztürk*
- OP - 152** Prediction of gold and exchange rates's change by using economic data with artificial intelligence and forecasting the crisis  
*Kemal Güler*
- OP - 153** Islamic online P2P lending platform  
*Mesut Pişkin*
- OP - 154** Fintech integration process suggestion for banks  
*Okan Acar*

**10.00 - 11.00 SESSION 34**

**HALL 2**

### **TECHNOLOGICAL INNOVATIONS IN MEDICINE - ENGINEERING INTERACTIONS 2+G28**

*Moderator: Mustafa Sundu*

- OP - 155** Studies on a robotic device that minimizes end-point vibrations for parkinson tremor  
*Esra Kaya Ayana*
- OP - 156** Compression of medical images using the set partitioning in hierarchical trees technique  
*Nabil Boukhennoufa*
- OP - 157** Relation between intellectual capital, innovation and management information systems satisfaction  
*Mustafa Sundu*

**10.00 - 11.00 SESSION 35**

**HALL 3**

### **ENVIRONMENT - FRIENDLY APPLICATIONS IN THE FIRMS**

*Moderator: Yasin Münir*

- OP - 158** 3 Samples of ethical supply and procurement at Turkcell  
*Mustafa Ozturk*
- OP - 159** The effects of an open economy over the innovative performance of manufacturing firms: A three level analysis  
*Dilek Demirbaş*
- OP - 160** Investigating the impact of strategic orientation on strategic alliance capability, innovation and commercialization: A comparative study between industry and academia  
*Yasin Munir*
- OP - 161** A literature review of the influence of ISO 9001 on the sustained success  
*M Chukri Idris*
- OP - 162** Good to great - How job satisfaction mediates the relationship between performance appraisal and employee retention  
*Ahmed Muneeb Mehta*



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**10.00 - 11.00 SESSION 36**

**HALL 4**

## **NEW TRENDS ON BANKING AND FINANCIAL SYSTEMS 2**

*Moderator: Mithat Zeki Dinçer*

- OP - 163** Regulatory challenges and solutions for fintech in Turkey  
*Kazım Değerli*
- OP - 164** The effect of digital channel migration, automation and centralization on the efficiency of operational staff of bank branches  
*Selman Ortaköy*
- OP - 165** Credit risk management: A panel data analysis on the Islamic bank In Turkey  
*Harun Çetinkaya*
- OP - 166** Liquidity risk management: A comparative analysis of panel data between Islamic and conventional banking in Turkey  
*Harun Çetinkaya*
- OP - 167** The effect of credit risk on financial performance of deposit banks in Turkey  
*Gülden Poyraz*

**10.00 - 11.00 SESSION 37**

**HALL 5**

## **THE PROTECTION OF INTELLECTUAL PROPERTY RIGHTS**

*Moderator: İlayda Nemlioğlu*

- OP - 168** A comparative analysis of intellectual property rights: A case of developed versus developing countries  
*İlayda Nemlioglu*
- OP - 169** A novelty on unlocking businesses' potential growth: Intellectual property securitisation  
*İlayda Nemlioglu*
- OP - 170** Investigation of the relationship between brand value and R&D activities: Fortune 500 companies analysis  
*Serkan Kurt*

**10.00 - 11.00 SESSION 38**

**HALL 6**

## **DECISION - MAKING SUPPORT SYSTEMS AND MANAGEMENT INFORMATIONS 2**

*Moderator: Ayfer Özyılmaz*

- OP - 171** Protection of intellectual property in cloud computing  
*Aybike Tunç*
- OP - 172** Presence of the IP in the market and criminal law protection  
*Aslihan Kart*
- OP - 173** New keynesian models explaining inefficient aggregate demand  
*Ozlen Hiç*
- OP - 174** Technological progress and production function in Turkey  
*Ayfer Özyılmaz*
- OP - 175** Improving technology and entrepreneurship education in tertiary institutions for sustainable economic growth in Nigeria  
*Muhammad Isah Doko Chado*
- OP - 176** Does high tech manufacturing really matter for escaping middle income trap? A panel approach for selected OECD economies  
*Esra Kabaklarlı*





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**10.00 - 11.00 SESSION 39**

**HALL 7**

## **DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 5**

*Moderator: Mehmet Uyanik*

- OP - 178** Minimising refinery maintenance costs with accurate fitness-for-service analysis  
*Valter Luis Jantara Junior*
- OP - 179** Real-time monitoring of the structural integrity of valuable concrete structures  
*Mehmet Uyanik*
- OP - 180** Effect of sulfur bridge in phenolic schiff base on the corrosion inhibition of mild steel in acidic medium  
*Kheniche Abdelhakim*
- OP - 181** The adhesion of dyes on polymer and investigation of pH effect  
*Gizem Çatıkkaş*
- OP - 182** On the effect of slung load on quadrotor performance  
*Kamil Yekta Us*

**10.00 - 11.00 SESSION 40**

**HALL 8**

## **DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 6**

*Moderator: Ahmed Bahloul*

- OP - 183** Acid blue 193 adsorption on the effect of pH and poly (Divinylbenzene-Vinyl imidazol) investigated  
*Gurbet Bal*
- OP - 184** Usability evaluation of iPhone built-in applications  
*Saja Belal Al Dabet*
- OP - 185** A new electrode for powders analysis  
*Ahmed Bahloul*
- OP - 186** Facial recognition and anti-spoofing for customer identification  
*Mesut Pişkin*
- OP - 187** Development of a distributed acoustic sensor by using sagnac- michelson interferometer  
*Cihad Gültekin*



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11.00 - 11.15 BREAK

## KEYNOTE SESSION

### Brands of Innovation in Turkey and USA



*Moderator:*

**Ergün Kırlikovalı**

*Founder & President at IPI, USA*



*Speaker:*

**Tommy Calvert** - *Bexar County Commissioner, USA*



*Speaker:*

**Süleyman Orakçioğlu** - *Orka Holding, Chairman of the Executive Board*



*Speaker:*

**Haydar N. Çolakoğlu** - *TEB Holding Corp., Member of the Executive Board*



*Speaker:*

**Nazım Salur** - *Founder and Chairman of BiTaksi and Getir Applications*



*Speaker:*

**Bülent Tekmen** - *Colendi, Partner*

11.15 - 12.45

12.45 - 13.45 LUNCH





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## KEYNOTE SESSION

### Entrepreneurial Incentives Based on Innovation in Different Countries



*Moderator:*

**Prof. Dr. Murat Taş**  
San Antonia College, USA



*Speaker:*

**Prof. Dr. Cengiz S. Özkan** - University of California, USA



*Speaker:*

**Mustafa Mertcan** - Founder and Chairman, Dof Robotik A.Ş.



*Speaker:*

**İzzet Gökhan Özbilgin** - Teknoloji ve Ürün Yönetimi Direktörü, Havelsan ARGE



*Speaker:*

**Murat Kansu** - General Manager, Microsoft Turkey

13.45 - 15.15

15.15 - 15.30 BREAK



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## KEYNOTE SESSION

### Some Examples of Woman Entrepreneurship Based on Innovation



*Moderator:*

**Özlem Kestioğlu Özel**

*Marketing Director SAP South Europe & Francophone Africa*



*Speaker:*

**Prof. Dr. Mihri Özkan** - *University of California, USA*



*Speaker:*

**Ayşe Nazmiye Uça** - *Datasist Information Technologies Corp. CEO*



*Speaker:*

**Mehmet Ormanlı** - *Business Banking Marketing and Sales Group Director, TEB Director*



*Speaker:*

**Özlem Kestioğlu Özel** - *Marketing Director SAP South Europe & Francophone Africa*

15.30 - 17.00





# Turkcell'den Dronecell

Doğal afet ve arama kurtarma çalışmalarına çekim gücü desteği sağlamak üzere geliştirilen uçan baz istasyonu Dronecell, Türkiye'nin teknolojiyle Türkiye'nin hizmetinde.  
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# ENSTRÜMANLARINI İYİ YÖNETEN ŞEHİR

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Dünyanın çeşitli metropollerine örnek teşkil edecek Akıllı Ulaşım Sistemlerindeki başarısını

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## INDUSTRY 4.0 FOCUSED INNOVATION, TECHNOLOGY, ENTREPRENEURSHIP AND MANUFACTURE



June 21 - 23, 2019 / Istanbul Congress Center - Istanbul / Turkey

**23 June 2019, Sunday**

**09.00 - 10.00 SESSION 41**

**HALL 1**

### **DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 7**

*Moderator: Ahmet İncekara*

- OP - 188** Development of nanotechnology in the world and nanotechnology standards in Turkey  
*Hatice Calipinar*
- OP - 189** Design of intelligent PID/PI<sup>λ</sup>D<sup>μ</sup> controllers for stable and unstable processes: A comparative study  
*Abdelhakim Idir*
- OP - 190** Chaos synchronization of discrete fractional-order chaotic systems based on adaptive fuzzy type 2 control  
*Khatir Khettab*
- OP - 191** Small-scale PV/wind distributed system for urban electrification: Techno-economic analysis  
*Hocine Belmili*
- OP - 192** Comparison of the precision of GNSS receivers with statistical tests  
*Erol Yavuz*

**09.00 - 10.00 SESSION 42**

**HALL 2**

### **DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 8**

*Moderator: Ali Akdemir*

- OP - 193** Cyber attack methods and measures for critical energy infrastructure in smart grids  
*İsa Avcı*
- OP - 195** Technology development zones at the center of innovation-based university, industry, cooperative of public Co-operation Raife Y. Eyler (Ph.D.) economics research foundation, Istanbul  
*Raife Yaşar Eyler*
- OP - 196** Efficient utilization of the maximum transition units in internetworking  
*Maram Bani Younes*

**09.00 - 10.00 SESSION 43**

**HALL 3**

### **DIFFERENT ENGINEERING AND TECHNOLOGICAL INNOVATIONS 9**

*Moderator: Nasr Eddine Hamdadou*

- OP - 198** Linking anticipated regret, self-efficacy, family support and entrepreneurial intentions: A moderated mediation mechanism  
*Ishfaq Ahmed*
- OP - 199** The socio-cultural dimensions and the work dynamics of the artisans of the chikan embroidery industry of lucknow: A critical analysis of the constraints in accessing micro-credit and the measures for the promotion of women's entrepreneurship  
*Mohd Usman*
- OP - 200** Evaluation of the short term aging properties of the EVA/waste NBR modified bitumen  
*Khedoudja Soudani*
- OP - 201** Application deployment strategies and policies  
*Mete Köse*
- OP - 202** Preparation and characterization of WO<sub>3</sub> thin films  
*Nasr Eddine Hamdadou*
- OP - 203** Fuzzy logic prediction of appropriate open innovation models in the state of art businesses  
*Bushra Naeem*
- OP - 271** The stress-strain state of the two shtriks a weighty obliquely layered massif system with slits in terms of elastic deformation of rocks  
*Tursinbay Abdibekovich Turymbetov*

**09.00 - 10.00 SESSION 44**

**HALL 4**

### **POLITICAL AND CULTURAL STUDIES OF INNOVATIONS 2**

*Moderator: Ali Görener*

- OP - 204** A conceptual model for managing sanitation networks  
*Brahim Lejdel*
- OP - 205** Potential role of microbiota in healthy ageing: Does it help to better functioning?  
*Dilsad Sindel*
- OP - 206** How can health technologies contribute to a better health of persons with disabilities? A challenge for physical medicine and rehabilitation  
*Aydan Oral*
- OP - 207** A fuzzy logic based approach to evaluation of medical material suppliers performance  
*Ali Görener*
- OP - 208** 5-Fluorouracil and its inclusion complex synthesized au nanoparticles for drug delivery  
*Jaya Raju Lakkakula*



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## 23 June 2019, Sunday

### 09.00 - 10.00 SESSION 45

HALL 5

#### DIFFERENT INNOVATIVE IMPLEMENTATIONS IN MULTIPLE COUNTRIES 2

Moderator: Hüseyin Doluca

- OP - 209** Whatsapp commercial groups: The catalyst for entrepreneurship development  
Sumbul Shakeel
- OP - 210** Motives in sustainable entrepreneurship: an empirical analysis  
Hüseyin Doluca
- OP - 211** University engagement and knowledge-based entrepreneurship development in regional SMEs in Thailand  
Suteera Puangpronpitag

### 09.00 - 10.00 SESSION 46

HALL 6

#### INNOVATIVE POLICIES AND APPLICATIONS TOWARDS CREATING ALTERNATIVE ENERGY RESOURCES 2

Moderator: Tahira Kalsoom

- OP - 212** Role mentoring of head teacher at secondary schools  
Rashid Minas Wattoo
- OP - 213** A comparative study of effects of cooperative learning and traditional method of teaching in mathematics at elementary level  
Namra Munir
- OP - 214** Use of computer education in schools  
Tahira Kalsoom

### 09.00 - 10.00 SESSION 47

HALL 7

#### INNOVATIVE POLICIES AND APPLICATIONS TOWARDS CREATING ALTERNATIVE ENERGY RESOURCES 3

Moderator: Burak Parlak

- OP - 215** Correlation between quality of service at business schools and competence level of business graduates  
Atif Hassan
- OP - 216** Creativity, social networking skills, and entrepreneurial career option among nigerian polytechnic students  
Umar Garba Isah
- OP - 217** 7+1 system in engineering education  
Erol Yavuz
- OP - 218** Detection of emojis using sentiment analysis for Turkish language  
Burak Parlak
- OP - 219** Sustainable quality management (SQM) model for higher education: A case study of Libya. M. Khoja 1\*, M. Lemon2 \*1, 2, Faculty of Engineering and Technology, Institute of Energy and Sustainable Development, De Montfort University, Leicester, UK, LE1 9  
Mabrouka El Bahlool Khoja

### 09.00 - 10.00 SESSION 48

HALL 8

#### INNOVATIVE POLICIES AND APPLICATIONS TOWARDS CREATING ALTERNATIVE ENERGY RESOURCES 4

Moderator: Aynur Erdoğan Coşkun

- OP - 220** Proposal for a conceptual framework to qualify the entrepreneurial context of university researchers  
Bouayad Amine Nabil
- OP - 221** Entrepreneurial intention among Nigerian students: The role of entrepreneurship education  
Abubakar Muhammad Bagudo
- OP - 222** Usability evaluation on gamified e-learning platforms  
Lana Ayman Issa
- OP - 223** Preparing our education system for the future: A process long overdue  
Derin Altan
- OP - 224** The effect of technology on teaching role of the teacher  
Aynur Erdoğan Coşkun





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June 21 - 23, 2019 / Istanbul Congress Center - Istanbul / Turkey

**23 June 2019, Sunday**

**10.00 - 11.00 SESSION 49**

**HALL 1**

### **INNOVATIVE POLICIES AND APPLICATIONS TOWARDS CREATING ALTERNATIVE ENERGY RESOURCES 5**

*Moderator: Mehmet Marangoz*

- OP - 225** Correlation between mindset and innovation in the process of building an innovation culture  
*Murat Tutar*
- OP - 226** Integrating Social media into learning environments as a strategic tool for improving group dynamics in organized learning activities  
*Bob Barrett*
- OP - 227** Cultural meaning of kondangan in javanese society: A case study in kenteng, toroh, grobogan, central java, indonesia  
(Linguistic anthropology's study)  
*Fitria Ulfa Hidayatul Rahmi*
- OP - 228** The impact of entrepreneurship education on entrepreneurship skills in K-12 and higher education institutions in the USA:  
A mixed methods research synthesis  
*Noah Kasraie*
- OP - 229** Evaluation of student information system (SIS) in terms of user emotions, performance and perceived usability:  
A Turkish University Case (Empirical Study)  
*Denizhan Demirkol*
- OP - 230** Universities and knowledge production: Case study in Turkey  
*Şebnem Doğan*

**10.00 - 11.00 SESSION 50**

**HALL 2**

### **INNOVATIVE POLICIES AND APPLICATIONS TOWARDS CREATING ALTERNATIVE ENERGY RESOURCES 6**

*Moderator: Tuğba Eyceyurt*

- OP - 231** The correlation between emotional intelligence and intercultural communicative competence development within EFL learners  
*Manal Horiya Boudghene Stambouli*
- OP - 232** Factors influencing diffusion of technical products from the Nigerian technical and vocational colleges  
*Abiodun Isaac Oyebola*
- OP - 233** Academic spin-off potential in Turkish State and Foundation Universities  
*Alperen Tosun*
- OP - 234** Fintech and banking: A bibliometric analysis in the scopus database  
*Tuğba Eyceyurt Batır*
- OP - 235** Learning Arabic language Via i-Almunawwar: Design and development  
*Wan Ab Aziz Wan Daud*
- OP - 236** The role of higher education institutions in the entrepreneurship ecosystem – Case of Georgia  
*Giorgi Benashvili*

**10.00 - 11.00 SESSION 51**

**HALL 3**

### **THE MANAGEMENT OF INNOVATIVE AND TECHNOLOGICAL EFFORTS IN FIRMS 2**

*Moderator: Betül Ayça*

- OP - 237** Futuristic perspective of technology, innovation and entrepreneurship: a conceptual framework for the success of any organization  
*Muhammad Yousaf Jamil Jamil*
- OP - 238** Impact of supply chain management practices and inter-functional coordination on continuous improvement of an organization  
*Zahra Tariq Tariq*
- OP - 239** The impacts of entrepreneurial motivation in self-employment: relationships of expectancy, instrumentality and valence for motivation  
*Muhammad Adamu*
- OP - 240** A lean supply-chain model for increasing construction labor productivity  
*Nurettin Doğan*
- OP - 241** Generating recommendations for customers using bipartite graphs  
*Zareen Alamgir*
- OP - 242** An approach to select the project management tools for sustainable innovation  
*Banu Ozkeser*



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## 23 June 2019, Sunday

### 10.00 - 11.00 SESSION 52

HALL 4

#### THE MANAGEMENT OF INNOVATIVE AND TECHNOLOGICAL EFFORTS IN FIRMS 3

Moderator: Naciye Güliz Uğur

- OP - 243** For sustainable innovation, innovation management system and leadership  
Müjgan Çetin
- OP - 244** Critical evaluation of the role of employee engagement on the level of; Motivation, satisfaction, organisational commitment and employee turnover intention in the hospitality industry in Turkey  
Mustafa Özcan
- OP - 245** Managing knowledge transfer for competitive advantage  
Naciye Güliz Uğur
- OP - 246** Structuring a HoQ through customer expectations in logistics center initiatives  
Gürhan Rıza Korkut
- OP - 247** Usage of visual management as a communication tool in lean construction  
Nurettin Doğan
- OP - 248** Relationship between physical & psychological environment of organizations and employees' job satisfaction: An empirical analysis of software houses of Lahore  
Sadia Khalid

### 10.00 - 11.00 SESSION 53

HALL 5

#### DATA SCIENCE AND PRACTICE 2

Moderator: Elif Kaya

- OP - 249** Application of blockchain in industry 4.0: Challenges and opportunities  
Mustafa N. Younis Agha
- OP - 250** Industry 4.0: Evolution or revolution?  
Elif Kaya
- OP - 251** An experimental study verification of production raw algae oil to biodiesel by industry 4.0  
Cemil Koyunoğlu
- OP - 252** Algae to oil pathway using bubble column reactor by industry 4.0: A case study  
Cemil Koyunoğlu
- OP - 253** New airport management model reflection in Turkey: Istanbul airport as aerotropolis  
Elif Bolat
- OP - 254** An application of industry 4.0 on microwave assisted biodiesel production  
Cemil Koyunoğlu

### 10.00 - 11.00 SESSION 54

HALL 6

#### THE RELATIONSHIP BETWEEN PERFORMANCE AND INNOVATION 2

Moderator: Şahin Özel

- OP - 255** Removal of textile dyestuffs and physicochemical parameters by magnetic polymers with photocatalytic properties  
Şahin Özel
- OP - 256** An agronomical approach to the Turkish agricultural industry  
Özlen F. Hiç
- OP - 257** Usage of disruptive technologies and the requirement analysis of innovation in insurance sector  
Zeynep Stefan
- OP - 258** Strategies to be implemented about fleet planning in airlines and the examination of triple fleet planning model  
Tüzün Tolga İnan
- OP - 269** An evaluation of new values in economy and their impacts on future transformation in tourism  
Bahar Türkay
- OP - 270** An empirical study on the effect of emotional intelligence on entrepreneurial tendency  
Neşe Sağlam





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10.00 - 11.00 SESSION 55

HALL 7

**RESEARCH OF CONNECTION BETWEEN ECONOMIC - HUMAN DEVELOPMENT AND INNOVATION IN CONTEXT  
OF VARIOUS COUNTRIES 3**

*Moderator: Brahim Lejdel*

- OP - 259** The Pakistan first wind free energy generation system for train  
*Shafiq Ur Rehman*
- OP - 260** An assessment of renewable energy for electricity generation in Nigeria  
*Hanif Auwal Ibrahim*
- OP - 261** Energy consumption in smart cities  
*Brahim Lejdel*
- OP - 262** Using multi-agent systems and genetic algorithms to optimize traffic lights in smart city  
*Brahim Lejdel*
- OP - 268** Impact of monetary policy interest rate decisions on the asset returns in Turkey  
*Akmyrat Amanov*



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June 21 - 23, 2019 / Istanbul Congress Center - Istanbul / Turkey

23 June 2019, Sunday

## KEYNOTE SESSION

### Ecosystems for Technology and Innovation in Different Countries



*Moderator:*  
**Prof. Dr. Ahmet İncekara**  
Istanbul University



*Speaker:*  
**Prof. Murat Taş** - San Antonia College, USA



*Speaker:*  
**Yakup Sezer** - Building the future of banking with Albaraka Garaj, Alneo and Insha



*Speaker:*  
**Hüseyin Emre Özsevimli** - General Manager, Ozsevimli Consulting Teknik Hukuk <sup>TM</sup>



*Speaker:*  
**Halil Tokel** - Turkish Technic General Manager Consultant



*Speaker:*  
**Nejat Ege** - Head Of Country Sales, ABB



*Speaker:*  
**Gökhan Arıksoy** - Partner, Deloitte

10.00 - 11.45





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June 21 - 23, 2019 / Istanbul Congress Center - Istanbul / Turkey

23 June 2019, Sunday

## KEYNOTE SESSION

### The Importance of Engineering and Medicine Cooperation in Developing Innovation



*Moderator:*  
**Prof. Dr. Kıvanç Çefle**  
*Istanbul University*



*Speaker:*  
**Prof. Dr. Filiz Akyüz** - *Istanbul University Gastroenterology*



*Speaker:*  
**Prof. Dr. Nuray Yazıhan** - *Coordinator, Head of Research Strategies Commission of Medical Faculty, Ankara University.*

12.00 - 12.45

12.45 - 13.00 CLOSING SESSION

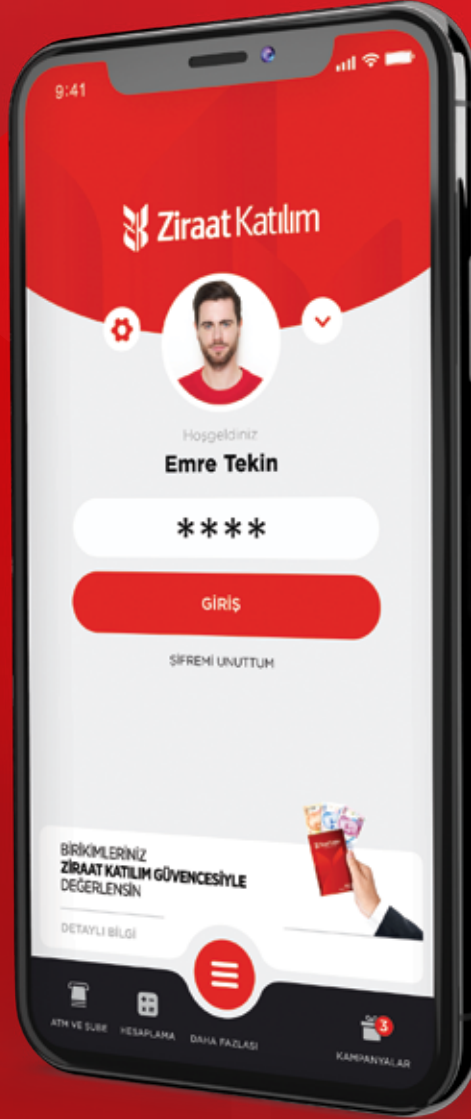
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# Akıllı ERP ile Fark Yaratın! Üstelik Bulutta!



Dijitalleşme her endüstride yepyeni fırsatları (ve acil ihtiyaçları) açığa çıkarıyor. Yarışta öne geçmek isteyen CIO'ların bir yandan IT maliyetlerini yönetirken diğer yandan da yeni pazarlar bulmaları ve farklılaşan servisler sunmaları gerekiyor. Güncelliğini yitirmiş kurumsal sistemleriniz, yeniden tasarlanan iş süreçlerine destek vermekte zorlanıyorsa, anında değer kazandıran ve sizinle birlikte büyüyen **akıllı bulut ERP'ye** geçmeniz tam vaktidir.

## İşletmenizi Daha Akıllı Hale Getirin

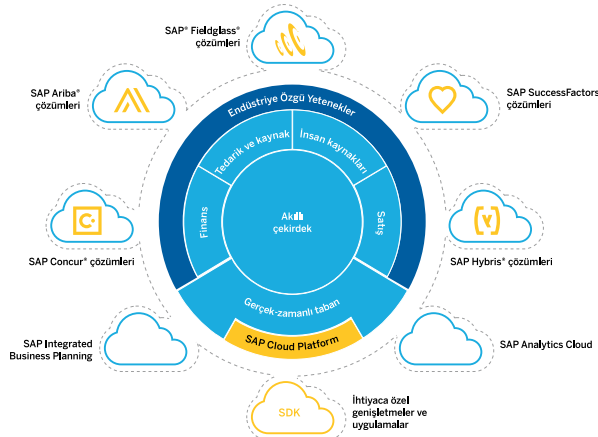
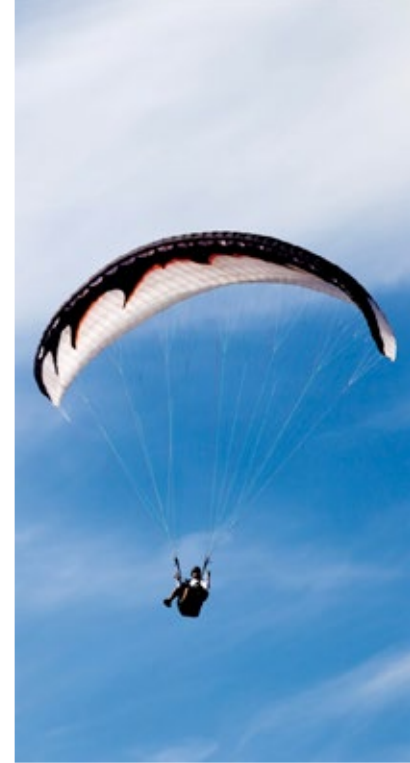
İş yükünüzü akıllı sistemlere dağıtın. Bırakın rutin ve zaman kaybettiren işlerinizi yapay zeka destekli ve öğrenme yeteneğine sahip akıllı ERP sistemi **SAP S/4HANA Cloud** yapsın, siz de şirketiniz için daha değerli inovasyon aktivitelerine odaklanın.

## Ekstra Değer Sunun

**SAP S/4HANA Cloud** ile her mevsim başka yenilikler ile müşterilerinize daha fazla değer sunun. Sektörünüzün en iyi iş yapış modelleri her çeyrekte kullanımınıza açılsın ve inovasyonları iş modelinize kolayca uyarlayın. 3 ayda bir sunulan her **S/4HANA Cloud** inovasyon paketi ile %20 oranında yeni fonksiyonlar eklenmektedir.

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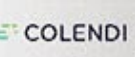


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