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World Conference on  
Science & Mathematics Education



# World Conference on Science & Mathematics Education

28 - 30 Agust / Bahcesehir Universtiy / [www.sci-math.org](http://www.sci-math.org)



## PROGRAM BOOK



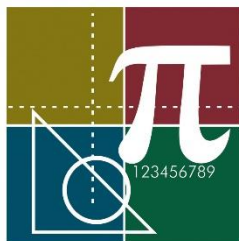
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# World Conference on Science & Mathematics Education

**3rd World Conference On Science and Mathematics Education  
(SCI-MATH-2017)**

**Bahcesehir University Besiktas Campus  
Istanbul, Turkey  
28-30 August 2017**

## **DRAFT PROGRAM**

### **Sponsors**

Near East University  
University of Kyrenia  
Bahcesehir University  
Association for Human, Science, Natura, Education and Technology

### **Organization**

Academic World Education and Research Center -*Non-profit international organization*

[www.awer-center.org](http://www.awer-center.org)

## Dear Colleagues

Thank you very much for you to participate the **3rd World Conference On Science and Mathematics Education (SCI-MATH-2017)** which will be held in **Bahcesehir University Besiktas Campus** at 28-August 30, 2017 in Istanbul, Turkey.

The SCI-MATH-2017 Draft Program is published in our conference web site:

[http://www.globalcenter.info/sci-math/?page\\_id=29](http://www.globalcenter.info/sci-math/?page_id=29)

If your presentation is not available in the draft program, or you may withdraw your paper, please send the name of your article and its authors' names and ID number to [scimath.info@gmail.com](mailto:scimath.info@gmail.com) until **24 August 2017, at 24:00 GMT+2**. Your paper will take or out place in the program in a short time.

Even if you have not submitted your full paper until now, you have still chance to take place in the conference program. Please send us an email stating your paper title for the conference program and also attach last version of the full until 24 August 2016.

### **Full Paper Publication**

- Selected papers will be published in supporting Thomson Reuters Web of Science (SSCI or ESCI) or SCOPUS indexed journal as Special Issues.
- The Remain accepted papers will be published as proceedings by International Leading Publishers and also submitted to SCOPUS, EBSCO, and Thomson Reuters Conference Proceedings Citation Index – CPCI (ISI Web of Science) for evaluation for inclusion in the list. Correspondence for another conference proceedings is seen in the provided link. <http://www.globalcenter.info/wc-bem/wcbem-2016-wos-reply.pdf>

### **Full Paper Submission**

The full paper deadline will be extended 20 September 2017 and the Camera-ready submission for publication at **October 01, 2017**. This mean you should participate the conference and present your full paper at the conference (oral or virtual) and after the criticism during the conference you will have chance to make your last changes in the last version of your full paper and submit again until 20 September 2017.

### **Poster or Virtual Presentation**

If you want to make POSTER or VIRTUAL PRESENTATION, please send us an email [scimath.info@gmail.com](mailto:scimath.info@gmail.com) about your presentation type until 24 August 2017. Thus, we can organize the presentations.

There will be an online (Virtual) presentation rehearsal taking place **on 24 August 2017 at 14:00 (GMT+2, Istanbul) -16:00 (GMT+2, Istanbul)**

### **Best Paper Award and Paper Poster Size:**

The poster size is A0, equals 118 cm height x 84 cm length, or smaller. Please choose upright format and keep in mind that the font sizes should be big enough to allow your poster to be read from some distance. We suggest using a font size of 22 – 24 pt for texts and 60 – 70 pt for headings. You are kindly asked to bring your poster fully assembled and printed. The

conference will offer the Poster Award to the three best posters. Please read the guidelines below carefully; [http://www.globalcenter.info/sci-math/?page\\_id=262](http://www.globalcenter.info/sci-math/?page_id=262)

### **Session Chairman**

If you want to be a Session Hall Chair in SCI-MATH-2017, please send an email to [scimath.info@gmail.com](mailto:scimath.info@gmail.com) till 24 August 2017, 24.00 GMT+2. Conference Chairmen get certificates for this duty. Applicants must have at least PhD degree and speak English well.

### **The Bosphorus Tour of Istanbul**

We would like to let you know that we are going to organize a Panoramic Tour of Istanbul on 30 August 2017. We recommend you to participate this special tour to visit very valuable historical places. For the tour route and more information you can visit this website [http://www.globalcenter.info/sci-math/?page\\_id=65](http://www.globalcenter.info/sci-math/?page_id=65)

### **Registration and Accommodation**

Please visit these address to apply for conference registration ([http://www.globalcenter.info/sci-math/?page\\_id=23](http://www.globalcenter.info/sci-math/?page_id=23)) and accommodation ([http://www.globalcenter.info/sci-math/?page\\_id=9](http://www.globalcenter.info/sci-math/?page_id=9)).

We would like you to fill the registration form completely below. This is necessary to make your registration. This form includes personal and paper details, your attendee role (status), your hotel details, attendance of Historical Places' Tour.

[PLEASE FILL THE REGISTRATION FORM](#)

### **Bank Statements**

On your arrival to the conference please do not forget to bring along with you your BANK STATEMENTS to show proof of your payments in order to be able to receive a receipt and not experience any inconveniences.

### **The Conference Venue**

[Bahcesehir University Besiktas Campus  
Istanbul, Turkey](#)

### **Weather Conditions**

In order to be certain of the weather whilst your visit to Istanbul, Turkey. It would be a good idea to check out this web-site: [www.weather.com](http://www.weather.com) so that you can consider taking precautions during your journey in the touristic world of Istanbul.

If you have any questions, please contact me. Thank you for considering this conference as a venue for your work.

All the conference members are working hard for your excellence and for the conference.

Hope to meet you in Istanbul.

With Respect,

**Prof. Dr. Haluk Soran**

The Chair of the Conference

[scimath.info@gmail.com](mailto:scimath.info@gmail.com)

# Organization

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[Near East University](#)

[University of Kyrenia](#)

[Academic World Education and Research Center](#)

Association for Human, Science, Natura, Education and Technology

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Prof. Dr. Haluk Soran

Department of Biology Education

Faculty of Education, *Near East University*

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## Keynotes



**Dr. Lazar Stošić,**

College for Professional Studies Educators, Aleksinac, Serbia

E-mail: [lstosic@vsvaspitacka.edu.rs](mailto:lstosic@vsvaspitacka.edu.rs)

**Keynote Title:** “Does the Use of ICT Enable Easier, Faster and Better Acquiring of Knowledge?”

**Abstract:** This paper aims to examine whether the use of ICT (Information Communication Technologies) enable easier, faster and better acquiring of knowledge. The study included 218 students from College for professional studies educators, Aleksinac, Serbia. A five-point Likert scale for students was designed. The scale was made up of 45 claims and its purpose was to determine whether the use of ICT enhances students’ skills. The results of the research show that the use of ICT enable easier, faster and better acquiring of knowledge. Qualitatively and quantitatively, students’ opinions were given, and hypotheses were confirmed.

**Keywords:** *ICT in education; high education; students’ abilities; attitudes of students.*

**Bio: Dr Lazar Stošić** was born 06/13/1973. He is the Doctor of Computer Science. He completed his doctoral studies at the Faculty of Informatics and Information Technologies in 2009, Serbia. Working at the College for Professional Studies Educators, Aleksinac, Serbia. His specialty is educational technology, information technology and computer science. He has over 40 published papers in the country and abroad and one book. He has a large number of licenses and certificates in the field of computer science and education technology. Some of the certificates are from Springer Academy (How to Write and Submit a Journal Article, Journal Author Academy Part 1- Writing your Manuscript, Journal Author Academy Part 2 Submitting and Peer Review, Peer Review Academy, Springer English Academy, Book Author Academy – Certificate). He also serves on Editorial Boards in many journals. He was an honorary professor at the conference in Russia.

Some of the professional activities:

President and co-founder of the Association for the Development of Science, Engineering and Education, <http://www.urnio.org.rs/index.php/2013-07-05-15-01-55>

- Editor in chief of the International Journal of Research in Cognitive Science, Engineering and Education (IJCRSEE) [www.ijcrsee.com](http://www.ijcrsee.com)
- Member of the Society for Computer Science, Germany, Number: GI 59631, from 01.07.2009. – Gesellschaft für Informatik e.V. (GI), German Informatics Society, Mitgliedsnummer: GI 59631 AhrstraBe 45, 53175 Bonn, Germany,
- Member of the Society for Science and the Media, E-learning center at the University of Zurich since 2009 – Gesellschaft für Medien in der Wissenschaft (GMW) e. V., E-Learning Center der Universität Zürich, Zürich,
- Member of the program committee of internationally active scientific conference ‘Research paradigms childhood education’, the Conference of Teacher Education Faculty, University of



Zagreb. 13 – April 15, 2015, <http://www.penta-pco.com/congress/content.php?id=35&pageID=107&lang=HR>

- Member of the Organizing Committee of The International Scientific Conference “Innovative educational potential of space and subjects the conditions of education modernization” (20-21 November 2014, Russia, Rostov-on-Don)
- Implementer of four seminars for continuous professional development of teachers, educators, professional associates and head for school 2014/2015 and 2015/2016., accredited by the Institute for the Advancement of Education, in accordance with European ECDL (European Computer Driving Licence) standards of IT skills – <http://katalog2015.zuov.rs/Default.aspx?oblast=21#kompetencije> , no. 180, 181, 182, 183.
- Implementer of four seminars for continuous professional development of teachers, educators, professional associates and head for school 2016/2017 and 2017/2018., accredited by the Institute for the Advancement of Education, in accordance with European ECDL (European Computer Driving Licence) standards of IT skills – <http://katalog2016.zuov.rs/Default.aspx?oblast=21#kompetencije> , no. 215, 216, 217, 218.
- President of the Commission for the evaluation of works of ICT in the Republican contest of technical and IT education, Branko Radičević, Vranje, 18 and 19 April 2014.
- Member of the Organizing Committee IV International Scientific Conference “Innovative educational potential of space and subjects the conditions of education modernization” (21-22 November 2013 Russia, Rostov-on-Don)
- E-Skills Week – on-line exam in the organization of the Unified Association of Serbia, under the auspices of the European Union, the European Commission, the European ICT Assembly (CEPIS), authorized examiner at ‘EBC’ test center of Belgrade, 1-5. March 2010
- Certified tester for taking and receiving ECDL / ICDL licenses’ EBC ”, Advanced Centre in Belgrade, since 2006



**Prof. Dr. Adem KARAHOCA**  
*Rector of Cyprus BAHCESEHIR UNIVERSITY*  
Bedrettin Demirel Avenue BAU Tower  
Lefkosa/CYPRUS

**Keynote Title:** “Big Data Analytics Applications in Health Informatics and Psycho-Informatics: Digital Medicine Revolution”

**Abstract:** This topic provides new information about big data in the context of health informatics and psycho-informatics. Key characteristics of big data in health informatics and psycho-informatics are related with structured and unstructured genomics, psychometrics, metabolomics, clinical diagnosis and physiological personal data. Big data analytics will have prestigious effects on disease management in public health and preventive medicine on personalized treatment. This study focusses on new and forthcoming trends on big data in health and psychology.

Online and ubiquitous computation devices such as smart phones, tablets, wearable devices record every step of the users. Big data analytics presents an opportunity to monitor and analyzing not only the vital signs of human but also the behavior of the users in ubiquitous environment.

Technology and mobile devices cause the new generation to constantly collect information and engage in messaging. This situation can lead to the emergence of both health-related health problems and the persistence of these problems. One of the most important technology-focused health problems is technology and internet addiction. Technology and Internet addictiveness can be treated by psychologists and psychiatrists by using new psycho-informatics methods and technologies. By this viewpoint, psychology and psychiatry researchers have an interest to use modern data analytics methods to cure or provide some help to the Z generation of youngsters.

From this point of view, we have shared in this study the applications of big medical data, especially health, psychology and medicine, which will provide great advantages in the digital medicine revolution. Examples of some important health data analysis studies we can share include A) Processing of gene expression data by biostatistics methods, b) Examination of electronic patient records and laboratory results by machine training methods, c) Machine learning methods and risk analysis before surgery operations, d) Analysis of PET scans and patient records by machine learning methods, e) Processing of air quality data collected by social networks with machine learning methods, f) Analysis of users' feelings in news tweets by machine learning methods .

**Biography:** He is a software engineer and holds a PhD degree in Software Engineering. He is giving lectures in management of information systems, IT management services, data mining and software engineering. He has interested in human computer interaction, web based education systems, data mining, business intelligence, big data, big data in bioinformatics and management information systems. He has published articles, books and book chapters at the prestigious journals about use and data mining applications of business information systems in health, tourism, and education. He has edited and coedited books in data mining, mobile computing, data mining applications in engineering and medicine. He is coordinator in medical informatics in BAU Health and Sciences Institute. He is an academic member at the Academic World Education and Research Center. He is the founder rector of Bahçeşehir Cypurs University in Lefkoşa at Cyprus.



[A/Professor Ergun Gide, PhD](#)

Deputy Dean Research | School of Engineering and Technology

CQUniversity Australia, 400 Kent Street, Sydney NSW 2000

**Keynote Title:** “The Challenges and Opportunities of Teaching Information Technology Courses in Mobile Digital Age: Preparing University IT Programs beyond 2020”



**Nayan Kanwal**

FRSA, ABIM, AMIS, Ph.D.

Chief Executive Editor (UPM Journals)

UPM Contact for ResearchSEA

Universiti Putra Malaysia

# DRAFT PROGRAM

## IMPORTANT EVENTS

28-29 August 2017	
08:30 – 18:00	Registration

28.08.2017 10:00– 10:30	Opening Ceremony	Hall 1
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TIME	TITLE	SPEAKER	HALL NAME
28.08.2017 10:30 – 11:10 <b>Keynote 1</b>	“Big Data Analytics Applications in Science, Mathematics and Engineering”	<b>Prof. Dr. Adem KARAHOCA</b> Bahcesehir University Chairman of Software Engineering Department, Turkey	1

TIME	TITLE	SPEAKER	HALL NAME
28.08.2017 11:10 – 12:30 <b>Keynote 2</b>	“Does the Use of ICT Enable Easier, Faster and Better Acquiring of Knowledge?”	<b>Dr. Lazar Stošić,</b> College for Professional Studies Educators, Aleksinac, Serbia	1

12:30 – 13:30	Lunch Break
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TIME	TITLE	SPEAKER	HALL NAME
29.08.2017 09:00 – 10:00 <b>Keynote 3</b>	“The Challenges and Opportunities of Teaching Information Technology Courses in Mobile Digital Age: Preparing University IT Programs beyond 2020”	<b>A/Professor Ergun Gide,</b> PhD Deputy Dean Research   School of Engineering and Technology CQUniversity Australia,	1

TIME	TITLE	SPEAKER	HALL NAME
29.08.2017 13:00 – 13:40 <b>Keynote 3</b>		<b>Nayan Kanwal,</b> FRSA, ABIM, AMIS, Ph.D. Chief Executive Editor (UPM Journals) UPM Contact for ResearchSEA Universiti Putra Malaysia	1

29.08.2017 20:00 – 23:00	Gala Dinner
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30.08.2017 10:00– 12:00	Bosphorus Tour
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## 28/08/2017, Monday

28-29 August 2017	
08:30 – 18:00	Registration

28.08.2017 10:00 – 10:30	Opening Ceremony	Hall 1
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TIME	TITLE	SPEAKER	HALL NAME
28.08.2017 10:30 – 11:10 <b>Keynote 1</b>	“Big Data Analytics Applications in Science, Mathematics and Engineering”	<b>Prof. Dr. Adem KARAHOCA</b> Bahcesehir University Chairman of Software Engineering Department, Turkey	<b>1</b>

TIME	TITLE	SPEAKER	HALL NAME
28.08.2017 11:10 – 12:30 <b>Keynote 2</b>	“Does the Use of ICT Enable Easier, Faster and Better Acquiring of Knowledge?”	<b>Dr. Lazar Stošić,</b> College for Professional Studies Educators, Aleksinac, Serbia	<b>1</b>

12:30 – 13:30	Lunch Break
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## ORAL PRESENTATIONS

### Session 1

**13:30 – 15:30**

#### Hall 1, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The Influence of Sitting Position toward Student Achievement in Math in AMIKOM Mataram	Muhamad Galang Isnawan, <i>AMIKOM Mataram</i> , Indonesia
2	Effects of problem solving heuristics in the learning of algebra in grade 6	Daniel Ofori-Kusi, <i>University of South Africa</i> , South Africa
3	Measuring the Forest with Mathematics Practice and Content Standards	Veronica Ocampo, <i>University of Wisconsin-Milwaukee</i> , United States
4	Enhancing Students’ Creativity and Achievement in Calculus Using Problem-Based Hawaii Algebra Learning Project (HALP) And Pre-Within-Post Problem Posing Tasks	Dennis Balanay Roble, <i>University of Science and Technology of Southern Philippines</i> , Philippines
5	Geometry Mistakes in Teaching Primary Mathematics by New Teachers in Saudi Arabia	Yahya Mizher Al Zahrani, <i>Umm Al-Qura University</i> , Saudi Arabia
6	Harnessing Students’ Visualization of Functions and Attitude towards Technology Using DESMOS Graphing Calculator	Dennis Balanay Roble, <i>University of Science and Technology of Southern Philippines</i> , Philippines

#### Hall 2, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Evaluation of reasoning ability among newly enrolled university students	Fathia Souissi, Soliman Belkahl, Rachid Benali, <i>Université Badji Mokhtar Annaba</i> , Algeria
2	Fractal Deviation: Implication to Non-Verbal Reasoning and Students’ Mathematics Competency	Adriel Gurnot Roman, Philippines
3	Freedom for the Internet: Approaching the issue of Net Neutrality from an Antitrust viewpoint	Pulkit Kaushik, <i>Hidayatullah National Law University</i> , India
4	Social Media - a Supplemental Instructional Platform to promote Dynamic Self-Regulated Learning: Deconstructing mathematical precepts through virtual social constructivism lenses	Wayne D Russell, <i>Medgar Evers College</i> , United States
5	‘Being able to see’ in Mathematics in the school of the Third millennium	Annarosa Serpe, Maria Giovanna Frassia, <i>University of Calabria</i> , Italy
6	The Effects of Using flipped classroom model in teaching and learning Calculus	Muhammed Ibrahim Syam, Mohamed Salim, Derar Serhan, <i>United Arab Emirates University</i> , United Arab Emirates

#### Hall 3, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
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1	Mathematics Education as a Fine Arts Branch: Communication Studies	Sedat Cereci, <i>Mustafa Kemal University, Turkey</i>
2	Vocational High School Students' Reports of Avoidance Strategies in Mathematics: "Please don't call on me"	Huseyin Ozdemir, <i>Bursa Osmangazi Hurriyet Vocational and Technical High School, Turkey</i>
3	Minimum Steps for Creating Engagement in any Mathematics Classroom	İbrahim Günaltılı, <i>Eskişehir Osmangazi University, Turkey</i>
4	The Effect of the Gender and Grade Level on the Knowledge and Attitude to Biodiversity	Serap Ozbaz, <i>Near East University, Cyprus</i>
5	Identification of the Views of Pre-Service Science Teachers on Renewable Energy Sources	Şeyma Aksakal, Ömer Yılayaz, Mustafa Uğraş, <i>Firat University, Turkey</i>
6	Relationship Between High School Students' Career Choice and Attitudes Towards Science and Social Studies Courses	Gözde Evram, Engin Baysen, Fatma Baysen, <i>Near East University, Cyprus</i>

#### Hall 4, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Correlations of Microstructure and Mechanical Properties of High Frequency Hf Melting Ti-Al Alloys System	Salim Boulkhessaim, <i>Algeria</i>
2	The influence of the deposition time on the growth of the ZnO using chemical bath deposition methodnanorods	Ahmed Fattah Abdulrahman, Sabah M. Ahmed, Naser M. Ahmed, <i>University of Zakho, Iraq</i>
3	Effect of Varying Quenchants in Precipitation Hardening Treatment and Sand Blasting at different angles on the Erosion Rate of Inconel 718	Mohammad Khurram, Sajid Saleem, Bilal Ahmed Siddiqui, <i>DHA Suffa University, Pakistan</i>
4	Phonons Transmission by Thin Films Sandwiched Between Two Similar fcc Structures Application in Pd/Au, Pd/Cu	Fazia Lekadir, <i>Algeria</i>
5	The Effect of Milling Time on Crystall Size Sandvik Sanergy	Qolby Sabrina, <i>Indonesian Institute of Sciences, Indonesia</i>
6	Effect of Homogenization Annealing Parameters on Corrosion Behavior of AZ31 Magnesium Alloy	Alper İncesu, Ali Gungor, <i>Karabuk University, Turkey</i>

#### Hall 5, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Fabrication and characterization of Sn doped ZnO thin films prepared by the sol gel method	Zeineddine Ouili, <i>Algeria</i>
2	Study the effect of microwaves on Algerian bentonite for removal of heavy metals	Nassima Ramdane, Chafia Bouchelta, <i>Algeria</i>
3	Effect of Al13 polycation grafting on the porous structure development of apple wastes activated carbon	Zoubida Marsa, Chafia Bouchelta, Nassima Ramdane, Mohamed Salah Medjram, <i>Algeria</i>
4	Extraction of organic molecules in aqueous solution using poly(vinyl alcohol) / cyclodextrin polymer mixed matrix membranes via pertraction	Fadila Oughlis Hammache, Ounissa Senhadji Kebiche, Mohamed Benamor, <i>Bejaia University, Algeria</i>
5	Activity Concentrations in Bottled Drinking Water in Saudi Arabia and Consequent Dose Estimates	Amal Hussain Alghamdi, <i>King Abdulaziz University, Saudi Arabia</i>
6	The Eco-Friendly Leather. Not Very Difficult?	Fazlı Akyüz, <i>İstanbul University, Turkey</i>

15:30 – 16:00	Coffee Break
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**Session 2**  
**16:00 – 18:00**

### Hall 1, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Study of a Metric on $C(S^1, S^1)$	RB Yadav, Srikanth V Kuppam, <i>Indian Statistical Institute</i> , India
2	Exploring preservice teachers' pedagogical content knowledge in sketching trigonometric graphs	Benjamin Tatira, South Africa
3	The perceptions of pre-service and in-service teachers regarding a project-based STEM approach to teaching science	Nyet Moi Siew, <i>Universiti Malaysia Sabah</i> , Malaysia
4	Application of the Game Theory to Prepare a Master's Thesis in Economics	Elena Gennadievna Evseeva, <i>Donetsk National University</i> , Ukraine
5	The Effect of Teachers' Horizon Mathematical Knowledge on Students' Learning Results	Sugilar Sugilar, <i>Universitas Terbuka Indonesia</i> , Indonesia
6	Final year preservice teachers' conceptualizations of trigonometry: A South African higher education case study	Benjamin Tatira, South Africa

### Hall 2, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Investigating the Impact of Main Factors on Problem Solving Confidence Using Cooperative Learning: A Case Study	Shiva Mafakheri, Iran
2	Developing M-Learning Prototype System	Saleem Issa Alzoubi, <i>University of Irbid National University</i> , Jordan
3	The gap of the lower order mathematical thinking skills in finance from the view of financial employees in bank of industry and mine	Seyedeh Zahra Abolhasani Kumleh, Ahmad Shahvarani, Fereydon Rahnamay Roodposhti, Farhad Hosseinzadeh Lotfi, Iran
4	An Experimental Study of Science Learning Through Interactive Teaching Method	Sajid Ali Yousuf Zai, Tasneem Anwar, <i>University of Wah</i> , Pakistan
5	A Case of STEM focused Online Teacher Professional Development	Tasneem Anwar, Sajid Ali Yousuf Zai, <i>The Aga Khan University</i> , Pakistan
6	Teaching Mathematics in Middle school in Algeria	Hamza Younes Abdelhalim, Algeria

### Hall 3, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The Adjacency-Pell-Circulant Sequences	Yeşim Aküzüm, <i>Kafkas University</i> , Turkey
2	Montessori Education and Science Education in Preschool	Özlem Akdeniz, Engin Baysen, <i>Near East University</i> , Cyprus
3	Digital Game Design on the Identities and Expansions	Selçuk Alkan, Tuba Ada, <i>Mustafa Kemal University</i> , Turkey
4	Articles of Eco-friendly Consumption: A Content Analysis	Ayfer Bükük, Engin Baysen, Şerife Gündüz, Serap Özbaş, <i>Near East University</i> , Cyprus
5	Student Teachers' Beliefs Regarding Experimental Activities: Requirements, Curriculum Dependency and Prominent Considerations	Fatma Baysen, <i>Near East University</i> , Cyprus
6	An Appraisal of Articles Coverage from the Period of 2008 to 2017 on Waste Management Education: A Content Analysis	Engin Baysen, Gbadebo Edward, <i>Near East University</i> , Cyprus

### Hall 4, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Characterization of transparent thin films deposited by reactive RF sputtering	Lilia Zighed, Salah Rahmouni, Selma Hadnine, Algeria
2	Characterization and Formulation of a Concrete Palm Vegetable Fibers	Mohamed Bouabaz, Khaled Boudjellal, Algeria
3	Formulation of synthetic fiber concrete Based on local materials	Khaled Boudjellal, Mohamed Bouabaz, Algeria
4	Impact of Microfinance on the Involvement of Women in Decision Making and Ownership	Waqas Zaki, <i>University of Central Punjab Lahore Pakistan</i> , Pakistan
5	2,3,4-trimethoxy-5-Iodophenylboronic Acid as Efficient, Green and Room Temperature Catalyst for Direct Peptide Synthesis	Raed M Al-Zoubi, <i>Jordan University of Science and Technology</i> , Jordan
6	Synthesis and Characterization of Carbon Nanotube or Metal Oxide Nanowire Decorated Hollow Carbon Nanospheres	Selcuk Poyraz, <i>Namik Kemal University</i> , Turkey

### Hall 5, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Effect of parasitic resistances on (I-V) characteristics of the MESFET GaAs	Benzaoui Ouassila, Algeria



2	Microstructural study of (Ti,Nb)5Si3 intermetallic coatings produced by flame spraying	Soheil Sabooni, <i>Isfahan University of Technology</i> , Iran
3	Evaluation of New Model-Making Techniques in Architectural Design Studio	Hasan Samih Kalwry, <i>EMU university</i> , Cyprus
4	Characterization Of Intermetallics In Copper And Aluminum To Zinc Coated Interstitial Free Steel Joining By Metal Inert Gas Brazing	Mehmet Ekici, <i>Yalova University</i> , Turkey
5	Effect of Quenching Media and Heat Treatment on Phase Structure and Mechanical Properties of Low Carbon Microalloyed Steels	Mehmet Ekici, <i>Yalova University</i> , Turkey
6	Effect of reactive and nonreactive surface modifications and compatibilizer use on mechanical and flammability properties of linear low density polyethylene filled with huntite&hydromagnesite mineral	Lemiye Atabek Savas, <i>Erciyes University</i> , Turkey

## End of Day 1

29/08/2017, Tuesday

28-29 August 2017	
08:30 – 18:00	Registration

TIME	TITLE	SPEAKER	HALL NAME
29.08.2017 09:00 – 10:00 <b>Keynote 3</b>	"The Challenges and Opportunities of Teaching Information Technology Courses in Mobile Digital Age: Preparing University IT Programs beyond 2020"	A/Professor Ergun Gide, PhD Deputy Dean Research   School of Engineering and Technology CQUniversity Australia,	1

10:00 – 10:30	Coffee Break
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## ORAL PRESENTATIONS

### Session 3

10:30 – 12:30

#### Hall 1, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The Use of Open-Ended Question Pictures in the Mathematics Classroom	Mela Aziza, <i>University of Bristol</i> , United Kingdom
2	The Voice of the Universe From $-\infty$ to $\infty$ Alternating School and Work	Roberto Capone, <i>Univerty of Salerno</i>
3	Are Students More Interested in Solving Mathematics Problems Related to Reality?	Anggi – Anggara, <i>University of Bristol</i> , United Kingdom
4	Generating New Principles for Mathematics Learning in Indonesian Classrooms to Foster Students' Mathematical Reasoning Ability	Zeni Rofiqoh, <i>University of Bristol</i> , United Kingdom
5	Study of the Evaluation by Competences System in the Education Degree in Spain	María Dolores López Carrillo, Omar de la Cruz Vicente, Amelia Calonge García, Pablo Pardo Santano, Spain
6	Dichotomous Keys in Natural Sciences as a Tool for the Learning of Mathematics	María Dolores López Carrillo, Omar de la Cruz Vicente, Spain

#### Hall 2, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Children Re-Discovering Sorting Algorithms: The Importance of Cooperation	Aaron Gaio, <i>University of Palermo</i> , Italy

2	Mobile learning and its implementation in the Canvas Insructure learning management system	Kostiantyn Zarembovskyi, Zainab Saadi Al-Hilali Hussein, <i>Taras Shevchenko National University of Kyiv, Ukraine</i>
3	Two Years Results of Elementary Teachers' Implementation of Argument Based Inquiry	Nurcan Keles, Brian Hand, <i>University of Iowa, United States</i>
4	The Effect of the Science Writing Heuristic Approach on 4th Grade Students' Sign Making with Multimodal Representations	Nurcan Keles, Brian Hand, <i>University of Iowa, United States</i>
5	Integrating English Medium Mathematics Mobile Applications To Teach Low Achiever Students In Tertiary Context	Kamarul Ariffin Mansor, <i>Universiti Teknologi MARA, Malaysia</i>
6	The Voice of the Universe From- $\infty$ to $\infty$ Alternating School and Work	Roberto Capone, Ilaria Veronesi, Paola Pugliese, Paolo Musmarra, <i>University of Salerno, Italy</i>

### Hall 3, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Comparison Between Technology Assisted Mathematics Teaching in States	Murat Tezer, Sevim Kocacan, <i>Near East University, Cyprus</i>
2	Student Perceptions of the "Geometric Objects" unit in Mathematics Classes	Murat Tezer, Meryem Cumhuri, <i>Near East University, Cyprus</i>
3	Cited Analysis of Articles With Keywords of "Instructional Design" In Doaj	Feriha Emel Yaman, Huseyin Uzunboylu, <i>Near East University, Cyprus</i>
4	Beliefs and Attitudes Towards Strategy-Method-Technique and Measurement-Evaluation of Teacher Candidates' Science and Technology Courses- I	Engin Baysen, Neslihan Koçkonuk, <i>Near East University, Cyprus</i>
5	Beliefs and Attitudes Towards Strategy-Method-Technique and Measurement-Evaluation of Teacher Candidates' Science and Technology Courses- II	Engin Baysen, Neslihan Koçkonuk, <i>Near East University, Cyprus</i>
6	Evaluation of Class Passing Conditions of the Failed Students from the Viewpoints of Education Ministry Officials, School Administrators, Teachers and Parents	Ümit Kalkan, <i>Near East University, Cyprus</i>

### Hall 4, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Effect Of Structural and Mechanical properties on Nano-Micro-Alumina Matrix On Alumina– Cubic Boron Nitride Composites Consolidated By Spark Plasma Sintering	Abbas Saeed Hakeem, <i>King Fahd University of Petroleum and Minerals, Saudi Arabi</i>
2	A Synthetic Fiber Concrete Based on Local Materials	Khaled Boudjellal, Mohamed Bouabaz, <i>Algeria</i>
3	Impedance Spectroscopy Theory and Applications	Nasr Sdiri, <i>Tunisia</i>
4	First-Principles Calculations and Thermodynamic Assessment of the Si-Tb System	Ferroudj Abdelhak, Djaballah Yassine, <i>Algeria</i>
5	First Principles Calculation Of Structural, Elastic and Mechanical Properties of EuVO3 Perovskite	Krarcha Hadda, <i>Algeria</i>
6	Electrodeposition of Zinc Oxide on Carbon Nanotubes for Energy Storage Device	Tarik Bordjiba, Zineb Nabeti, Lynda Boufelfel, Asma Allele, Wahida Salmi, Ourida Mahmoudi, Ahcene Lemzadmi, <i>Algeria</i>

### Hall 5, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Effect of Physical and Geometrical Parameters on Low Velocity Impact Response of Sandwich Beams with Carbon Nanotube Reinforced Face Sheets	Sattar Jedari Salami, <i>Islamic Azad University, Iran</i>
2	Influence of Graphene Platelets on Thermal Buckling of Graphene Reinforced Composite Laminated Beams	Yaser Kiani, <i>Shahrekord University, Iran</i>
3	Longitudinal study of stress, social support, and depression in married Arab immigrant women	Hazhar Bilbas, Nizam Uddin, Karen Aroian, <i>Iraq</i>
4	On the size-dependent vibration of the embedded double-walled carbon nanotube conveying fluid using shell model	Yaghoub Tadi Beni, Hamid Zeighampour, <i>Shahrekord University, Iran</i>
5	Calibration of glass pad viscosity for hot extrusion process	Jonghun Yoon, <i>Hanyang University ERICA, Republic of Korea</i>
6	Pre-school Teachers' Views About Educational Materials and Augmented Reality Applications	Fezile Özdamlı, Erkan Bal, Damla Karagözlü, <i>Near East University, Cyprus</i>

12:30 – 13:00	Lunch Break
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TIME	TITLE	SPEAKER	HALL NAME
29.08.2017		Nayan Kanwal, FRSA, ABIM, AMIS, Ph.D.	1

13:00 – 13:40 Keynote 3		Chief Executive Editor (UPM Journals) UPM Contact for Research SEA University Putra Malaysia	
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## Session 4

### 13:40 – 15:30

#### Hall 1, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Inquiry Based Learning: A Review	Muhammad Bello Nawaila, Huseyin Uzunboyulu, <i>Near East University, Cyprus</i>
2	Mathematics Dialogue: what it was? What it is? What it will be in the future?	Zaaima Talib Albalushi, Oman
3	Identification Some Epistemological Obstacles Experienced by Indonesian Students in Answering Mathematics PISA's Test Content Uncertainty and Data	Habibur Rahman, <i>Universitas Pendidikan Indonesia, Indonesia</i>
4	The use of Mathematical Investigation in Teaching Triangle congruence and Similarity to Third Year Students of Los Baños National High School	Mona Salazar De Guia, Philippines
5	Attitudes of Students Towards the Learning of Physics in Funtua zone in Katsina State, North-western Nigeria	Aliyu Abdurraheem
6	Generating new principles for the mathematics curriculum to foster reasoning skill	Zeni Rofiqoh, <i>University of Bristol, United Kingdom</i>

#### Hall 2, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Kinetic Study on Ferulic Acid Production from Banana Stem Waste via Mechanical Extraction	Norazwina Zainol, Nasratun Masngut, Muhamad Khairi Jusup, <i>Universiti Malaysia Pahang, Malaysia</i>
2	Neutrosophic Soft Set Method in Block Cipher	Sadia Medhit, <i>Quaid-i-Azam University, Pakistan</i>
3	Prediction of the remaining testing time for the generalized Pareto progressive censoring samples	Mohammad Z. Raqab, Kuwait University
4	Implementation of the education for sustainable development strategy in the mathematics education through stakeholder cooperation	Anna Vintere, Ilze Jēgere, <i>Latvia University of Agriculture, Latvia</i>
5	A teaching approach of geometric shapes' properties with the use of online educational tools in Greek primary school	Emmanouil Skordialos, Georgios Baralis, <i>University of Athens, Greece</i>
6	Absorbing Markov Chain for Breast Cancer	Lalla Hanae Alaoui, Morocco

#### Hall 3, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The Impact of Smart Board Usage on the Class Management	Mehmet Karadağ, Ümit Kalkan, Ahmet Koç, Zehra Altınay Gazi, <i>Near East University, Cyprus</i>
2	Eğitim Fakültesi son sınıfta okuyan öğrencilerin öğretmenlik mesleğine bakışlarının incelenmesi	Hakan Bakır, <i>Near East University, Cyprus</i>
3	Yazma Etkinliklerinin İlköğretim 6.Sınıf Öğrencilerinin Bitki Ve Hayvanlarda Üreme, Büyüme Gelişme Konusunda Akademik Başarılarına Ve Yazmaya Karşı Tutumlarına Etkisi	Emine Özbek, <i>Marmara University, Turkey</i>
4	The Design of a Digital Game on the Teaching of the Concept of Distance: an Example of Taxicab Geometry	Selçuk Alkan, Tuba Ada, <i>Mustafa Kemal University, Turkey</i>
5	A content analysis of the research articles written on "web based/mobile teacher assessment" based on various variables	Eser Çeker, Hüseyin Uzunboyulu, <i>Near East University, Cyprus</i>
6	Investigation of Preservice Science Teachers' Cognitive Structures on Socioscientific Issues through Word Association Test	Oktay Aslan, Nurcan Tekin, Turkey

#### Hall 4, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Formation Mechanism of Pd/PVP Nanoparticles: Effect of Ultrasonic Irradiation Time	Abderrafik Nemamcha, Fatima Rouabhia, Hayet

		Moumeni, Jean Luc Rehspringer, Algeria
2	Kinetic study and thermal analysis of Fe and FeCo nanostructured powders	Hayet Moumeni, Abderrafik Nemamcha, Jean Luc Rehspringer, Algeria
3	Catecholase Activity Investigations using in situ Copper Complexes Continuing Schiff Base Derivatives	Sihem Boufas, Amel Djedouani, Rachid Touzani, Algeria
4	Anticorrosion behaviour of amorphous silicon based coatings prepared by remote cold plasma assisted chemical vapour deposition process	Amel Mechhoud Delimi, Algeria
5	ZnSe/graphene nanocomposites: Synthesis by a green method and using as photocatalytic and photovoltaic materials	Ramin Yousefi, <i>Islamic Azad University</i> , Iran
6	Activity Concentrations in Bottled Drinking Water in Saudi Arabia and Consequent Dose Estimates	Amal Hussain Alghamdi, <i>King Abdulaziz University</i> , Saudi Arabia

### Hall 5, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Study on the wear mechanism of flame sprayed Ti-Si-Nb coating	Soheil Sabooni, <i>Isfahan University of Technology</i> , Iran
2	Study of the Adsorption Of N.Phenol on Polycation Al13 and on the Bentonite from Algeria	Amel Chelgham, Zoubida Marsa, Nassima Ramdane, Algeria
3	Point and click command for planar cables-parallel robot	Fouad Inel, Algeria
4	Microstructural, Hyperfine, and Magnetic Properties of Nanostructured(Fe50Co50)80Al20 Powders	Chaffia Djebbari, Safia Alleg, Jean Marc Greneche, Jean-Luc Rehspringer, Algeria
5	Study the effect of microwaves on Algerian bentonite for removal of heavy metals	Nassima Ramdane, Chafia Bouchelta, Zoubida Marsa, Mohamed Salah Medjram, Algeria
6	Investigation on surface characteristics of uncalcinated and calcinated mussel shells	Sahra Dandil, Deniz Akin Sahbaz, Caglayan Acikgoz, <i>Bilecik Seyh Edebali University</i> , Turkey

15:30 – 16:00

Coffee Break

## Session 5 16:00 – 18:00

### Hall 1, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	The Examination of Technology-Based Course Materials Developed by Mathematics Teachers	Selin Urhan, Nazan Sezen Yüksel, Selay Arkün Kocadere
2	A Review of the Research on Mathematics Textbooks in Turkey	Tuba Gökçek, Sedef Çelik, <i>Kırıkkale University</i> , Turkey
3	A Poe Technique-Based Activity About Gas Pressure and Preservice Science Teachers' Argumentation Skills	Halis Türker Balaydın, <i>Recep Tayyip Erdogan University</i> , Turkey
4	Relationship Between Reflective Thinking Skills and Focuses on Academic Control of Science and Mathematics Teacher Candidates	Büşra Ayazgök, Şeyma Aksakal, Turkey
5	Problems Encountered in Mathematics Teaching: Primary School Teachers Perceptions and Suggestions	Murat Tezer, <i>Near East University</i> , Cyprus
6	An Investigation of the Effect of Teaching Designed by Integral Asie Model on Science Teacher Candidates' Learning on Genetics	Sema Irem Orhan, Abdullah Aydın, Sefa Pekol, <i>Kastamonu University</i> , Turkey

### Hall 2, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Determination of the Opinions of the Science Teacher Candidates About the Teaching Which is Designed by the Integral Asie Model on Genetics	Sema Irem Orhan, Abdullah Aydın, Sefa Pekol, <i>Kastamonu University</i> , Turkey
2	Frequency of Internet, Social Network and Mobile Devices use in Prospective Teachers from Faculty of Education	Ezgi Pelin Yıldız, Murat Tezer, <i>Near East University</i> , Cyprus
3	The effect of informal learning environment upon students' understanding of STSE (science-technology-society-environment)	Merve Cansu Ince, Bayram Coştu, <i>Yıldız Technical University</i> , Turkey
4	Examining the Effects of Technology-Supported Cooperative Learning Method on Student Attitude	Erkan Bal, <i>Near East University</i> , Cyprus
5	Determining Preservice Teachers' Competency Perceptions and Attitudes towards Assessment and Evaluation in Education Course	Sibel Süzek Birkollu, Özgül Dağcı, Yücehan Yücesoy, Basak Bağlama, Hüseyin Uzunboyly, <i>Near East University</i> , Cyprus
6	A content analysis of the studies on assessment and evaluation based on some	Özgül Dağcı, sibel süzek birkollu, Yücehan

	variables	Yücesoy, Basak Baglama, Huseyin Uzunboyu, <i>Near East University, Cyprus</i>
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### Hall 3, SCI-MATH

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Büyük Matematikçilerin Küme Kavramına Yönelik Getirdikleri Eleştirel Düşüncenin Matematik Öğretiminde Değerlendirilmesi	Zuhal Unan, Burcu Usta, Şenol Eren, Turkey
2	Worked-out Questions Supported With Self-Explanation Prompts for Determination and Elimination of Students Misconceptions of Mathematics	Zeynep Çiğdem Özcan, Çiğdem Kılıç, Selda Obalar, <i>Istanbul Medeniyet University, Turkey</i>
3	Examining Metacognitive Experience of Students Before and After Mathematical Problem Solving	Zeynep Çiğdem Özcan, Çiğdem Kılıç, <i>Istanbul Medeniyet University, Turkey</i>
4	From Science-Technology-Society Movement to Socioscientific Issues	Nurcan Tekin, Oktay Aslan, <i>Aksaray University, Turkey</i>
5	The Relationship between Substance Use and Cultural Adaptation among International Students in North Cyprus	Deniz Ergün, Ebru Çakıcı, Mehmet Çakıcı
6		

### Hall 4, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	A DOE Experimental Investigation of the Dispersion Strengthening of Copper Alumina Formed Through Powder Mixing and Sintering	Omar Bataineh, Abdallah Al-Dwairi, Zaid Ayoub, Mohammad Al-Omash, <i>Jordan University of Science and Technology, Jordan</i>
2	Synthesis, kinetic of growth, structural and optical properties of CdS thin films	Sana Hariech, Jamal Bougdira, Mohammed Belmahi, Ghouti Medjahdi, Hervé Rinnert, Mohamed Salah Aida, Nadhir Attaf, Damien Geneve, Algeria
3	Investigation of the effect of the nature of the carrier on the stability of plasticized polymers membranes	Ounissa Senhadji-Kebiche, Hanifa Dahdah, Ferhat Sellami, Seghir Dekkouche, Katia Anarakdim, Mohamed Benamor, Algeria
4	The influence of different types of core materials on the impact behaviour of sandwich composites	Cihan Kaboglu, Soraia Pimenta, Andy Morris, John P Dear, United Kingdom
5	Misconception About Granular Structure of Matters in 6th Grade Students in Secondary Schools	Arzu Kiliç, Turkey
6	Synthesis and Characterization Of PANI/TiO <sub>2</sub> Films for Photocatalytic Applications	Özge Kerkez Kuyumcu, Seray Ayan, Melis Tokar, Aikut Almasbekov, <i>Marmara University, Turkey</i>

### Hall 5, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
1	Preparation and Characterization of activated carbon derived from active sludge containing <i>Trametes versicolor</i> fungus collected from membrane bioreactor system	Sahra Dandil, Deniz Akin Sahbaz, Caglayan Acikgoz, <i>Bilecik Seyh Edebali University, Turkey</i>
2	Formation of nanocrystalline B2-structured (Fe,Ni)Al in mechanically alloyed Fe <sub>50</sub> Al <sub>30</sub> Ni <sub>20</sub> (%wt) powder	Nakib Chafika, Djebbari Chafia, Amara Otmani, Algeria
3	Mechanical properties and wear performance of polycarbonate urethanes for hemiarthroplasty	Yusuf Kanca, <i>Hitit University, Turkey</i>
4	Microstructural characterization and phase formation process of nanocrystalline FeNiAl high ball milled	Amara ferhat Otmani, Nesrine Ammouchi, Zohra Bensebaa, Chafika Nakib, Malik Djekoun, Algeria
5	Study of Fe <sub>70</sub> Si <sub>20</sub> Cr <sub>10</sub> Nanostructured Powders Elaborated by Mechanical Alloying	Amara ferhat Otmani, Nesrine Mustapha Ammouchi, Zohra Bensebaa, Messaoud Legouera, Abdelmalik Djekoun, Algeria
6	A Review of Research on Gamification Approach in Education	Şenay Kocakoyun, Fezile Ozdamli, <i>Near East University, Cyprus</i>

### Hall 6, GC-MAS

ORDER	TITLE	AUTHOR, AFFILIATION and COUNTRY
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1	Low onset voltage of ethanol electro-oxidat for Nio-attached nanographitic flakes	Ahmad ahmadi, Hamid Omidvar, Iran
2	Determination of Attitudes and Perceptions of Self-Efficacy of Teachers Using LCD Panel Interactive Whiteboards	Erinc Ercag, Olkan Betoncu, <i>Near East University</i> , Cyprus
3	Physicochemical Studies of Polymer Affinities on Cotton Knitted Fabrics	Burcu Büyükkoru, Ali Kara, Turkey
4	The Adsorption of Kerosene with Zeolite-Clinoptilolites	Ali Rıza Demirkıran, <i>Bingöl University</i> , Turkey
5	Confirmatory Factor Analysis and Reliability of The Near East Marital Adjustment Scale	Hüseyin Turan Bayraktaroğlu, Utku Beyazıt, Ebru Tansel Çakıcı, <i>Near East University</i> , Cyprus
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29.08.2017 18:00 - 18:30	Closing Ceremony
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29.08.2017 20:00 – 23:00	Gala Dinner
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## End of Day 2

29/08/2017, Wednesday

Bosporus Cruise

10:00 – 14:00

## POSTER PROGRAM

TIME	POSTER TITLE	AUTHORS
14:00 – 16:00 Monday	Silicone versus methacrylate composites: A comparative study of the microleakage	Meriem Fejjeri-Mezghanni, Sabra Jaafoura, Amira Kikly, Souad Sahtout, Tunisia