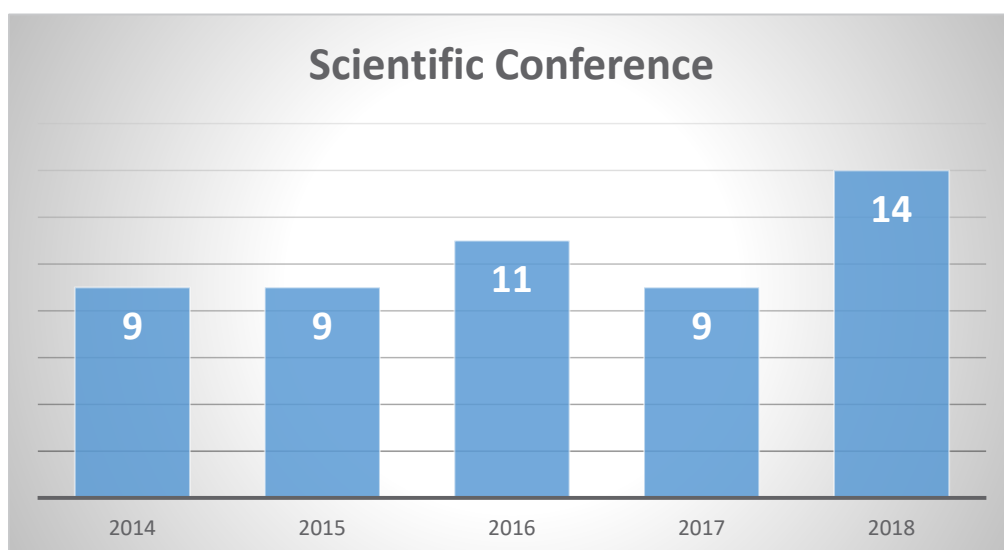


SCIENTIFIC CONFERENCES

EVOLUTION OF SCIENTIFIC CONFERENCES 2014 - 2018





Building Services and Environmental Comfort (ICCA 2018)

March 22 - 23, 2018, Timișoara, Romania

Organizers: AIIR - Romanian Association of Building Services - Timișoara Chapter, Politehnica University Timișoara - Civil Engineering and Installations Department, in association with REHVA, Danube ASHRAE Chapter, Research Center of Installations, Electrical Installations and Automation Society Romania

<http://www.aiir-timisoara.ro>

The essential issues of human existence, such as environmental protection, energy consumption reduction, environmental comfort, are found in the 29 papers of the conference volume as well as in the 18 scientific papers presented by the country's specialists and foreigners in the plenary.

At the conference proceedings have contributed 91 specialists who addressed topics such as air and water quality, the use of unconventional energies (solar energy, wind energy, ground energy and energy of the environment), technical sustainability, but also the influence / importance of human action in contact with the environment.

Publication of papers:

The volume consisting of the conference's papers was published by MATRIX ROM Bucharest Publishing (ISSN: 1842-9491).



7th International Conference on Advanced Materials and Structures AMS'18

March 28 - 31, 2018, Timișoara, Romania

Organizers: Department of Materials Engineering and Manufacturing and Department of Mechanics and Strength of Materials in collaboration with the Politehnica Foundation

www.ams.upt.ro

The conference Advanced Materials and Structures (AMS'18) was held between 28 to 31 March 2018 at Timișoara, Romania and it is the seventh edition of the scientific event organized by the Department of Materials Engineering and Manufacturing and Department of Mechanics and Strength of Materials in collaboration with the Politehnica Foundation.

The conference topics included:

- Advanced materials (amorphous, nano-structured materials, composites, cellular materials, biomaterials, etc.);
- Surface engineering;
- Modern fabrication, joints and recycling technologies;
- Materials damage under time-dependent-actions (fatigue, creep, impact, corrosion);
- Computational techniques for advanced engineering materials and structures.

Publication of papers:

Proceeding of AMS'18 was published as separate edition in IOP Conference Series: Materials Science and Engineering (MSE), Volume 416(1).

MSE is an open-access proceedings and conference papers journal published online as a single volume. It is indexed in ISI Web of Science (Conference Proceedings Citation Index), Scopus, Ei Compendex.



International Conference on Applied Sciences ICAS2018

May 9 - 11, 2018, Banja Luka, Bosnia and Herzegovina

Organizers: Politehnica University Timișoara and Unieversity of Banja Luka in cooperation with Ministry of Science and Technology of the Republic of Srpska, Bosnia and Herzegovina
Ministry of Trade and Tourism of the Republic of Srpska, Bosnia and Herzegovina
Academy of Romanian Scientists
Academy of Sciences of the Republic of Srpska, Bosnia and Herzegovina
Academy of Technical Sciences of Romania - Timisoara Branch
and General Association of Romanian Engineers - Hunedoara Branch

<http://www.fih.upt.ro/v4/ICAS2018/index.htm>

The conference has been focused on several fields of application, operation and influence of the applied sciences and technologies on industry. Topics of the conference covers a comprehensive spectrum of issues from:

1. *Materials Science:* Metallic Materials, Composite Materials, Metal Alloys, Metallurgy, Heat Transfer, and others...
2. *Mechatronics:* Mechanical Engineering, Robotic Systems Engineering, Control Engineering, Reliability, and others...
3. *Electrical Engineering:* Circuits and Systems, Signal Processing, Electric Motors, and others...
4. *Computers Engineering:* Modeling and Simulation, Computational Methods in Engineering, Software Engineering, Data Bases, and others...
5. *Fundamental Sciences:* Numerical approximation and analysis, Interdisciplinary applications of mathematics and physics, Chemistry, and others...

The conference gathered qualified researchers whose expertise can be used to develop new engineering knowledge that has applicability potential in Industry.

Publication of papers: Proceedings of ICAS2018 published in *IOP Conference Series: Materials Science and Engineering vol. 477* (2019), indexed by *Thomson Reuters - Web of Sciences* (Conference Proceedings Citation Index) and *Scopus*.

SACI 2018
May 17-19, 2018



IEEE 12th International Symposium on Applied Computational Intelligence and Informatics (SACI 2018)

May 17 - 19, 2018, Timișoara, Romania

Organizers: Óbuda University, Budapest, Hungary, Politehnica University Timișoara, IEEE Chapter of Systems, Many, and Cybernetics Society, Romania

<http://conf.uni-obuda.hu/saci2018/>

SACI 2018 has featured several kinds of presentations, including invited talks, contributed papers and posters. The outcome of SACI 2018 is a better understanding of some leading research areas, as already Computational Intelligence and Informatics have demonstrated.

SACI 2018 has welcomed papers on the following topics:

- Computational Intelligence
- Intelligent Mechatronics
- Systems Engineering
- Intelligent Manufacturing Systems
- Intelligent Control
- Intelligent Robotics
- Informatics.

Publication of papers:

IEEE Xplore Digital Library, please visit <http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=SACI%202018>



4th International Workshop on Open Educational Resources and Massive Open Online Courses (part of the 14th eLearning and Software for Education Conference - eLSE 2018)

May 19 - 20, 2018, Timișoara, Romania

Organizers: Carol I National Defence University and European Security and Defence College (ESDC),
"Ioan Slavici" University of Timișoara, West University of Timișoara,
Politehnica University Timișoara, Vasile Alecsandri University of Bacau

https://www.elseconference.eu/pages/view?page=open_education_open_online_courses

The primary goal of the workshop is to bring together educational actors and stakeholders as teachers, trainers, technologists, researchers, course designers, doctoral students in the fields of new technologies, pedagogies and policies related to Open Education, Open Educational Resources (OERs) and Massive Open Online Courses (MOOCs) in order to share knowledge, approaches, strategies, models, solutions and applications in an educational context.

The workshop's topics include (but are not limited to):

- Open education - the meaning of open: open access, open scholars, open educators, open learning, open science, open data
- Open pedagogy and open educational practices (OEPs)
- The economics of open education
- Issues at the intersection of open and assessment
- Tools and technologies supporting open education
- Collaborations in support of open education
- OERs/MOOCs: policy and systemic impact (open policies)
- Good practices of using OERs and MOOCs in HE / Adult Education (digital literacies, skills, pedagogy)
- Platforms for MOOC hosting
- Strategies/Models for MOOCs: video/content creation, facilitation, assessment, student motivation, quality assurance, certification and accreditation, open badges
- MOOCs and personalized learning
- MOOCs and flipped classrooms/blended learning
- Business models for MOOCs etc.

Published papers by: "CAROL I" National Defence University Publishing House, Index WOS, Thomson Reuters, CEEOL, PROQUEST, EBSCO



1st International Conference on Computational Methods and Applications in Engineering

May 23 - 26, 2018, Timișoara, Romania

Organizers: Mississippi State University, USA
Politehnica University Timișoara, Romania

<http://icgmae.elearning.upt.ro/>

The objectives of this conference are to enhance interdisciplinary international work between scientists and engineers in USA and Romania. One particular goal is to further expand the established collaboration between organizing institutions.

In addition to plenary lectures, there will be sessions for mini-symposia and contributed talks.

The main topics are, but not limited to:

Track 1: Applied/Computational Mathematics

- Fractional Calculus
- Image Processing
- Mathematical Biology
- Optimal Control
- Differential Equations and their Numerical Methods

Track 2: Computational Methods in Mechanical Engineering

- Applied mathematics and Mechanics
- Applied Thermodynamics
- Applied Analytical and Numerical Material Modelling

- Computational Fluid Dynamics

Track 3: Applications in Information Technologies

- Open Data Applications
- Applied Statistics and Big Data Analytics
- Smart Cities Applications
- Integrated Infrastructures and Processes for Smart Cities
- eScience and the Information Society
- Virtual and Augmented Reality

Publication of papers: The final revised and accepted papers will be published as open-access papers in a dedicated volume on the ITM Web of Conferences (<http://www.itm-conferences.org>).

ICNcT 2018

19th International Conference of Nonconventional Technologies – ICNcT 2018

October 4 – 6, 2018, Timisoara, Romania

Organizers: Academy for Technical Sciences of Romania
Romanian Association for Nonconventional Technologies
Politehnica University Timișoara
“Lucian Blaga” University Of Sibiu

<http://www.artn.ro/conference2018/>

The conference is part of the most representative global scientific manifestations' gallery of its kind and has a 47-year-old tradition in the scientific world. The 2018 19th edition subscribes to the current context in which nanotechnologies are the future of the planet and their importance in the economic development of regions is heavily considered.

Conference topics:

- Basic physical phenomena and processes of the nonconventional processing procedures;
- Machineries and equipment for non-conventional processing;
- Experimental Research and Nonconventional Processing Technologies
- Nonconventional technologies management and other nonconventional processes

Publication of papers: The papers presented during the Conference are published in „Nonconventional Technologies Review”, (www.revtn.ro) scientific publication established in 1997 with quarterly issuing, B+ Review, indexed in international data bases: Copernicus, ProQuest, EBSCO, Google Scholar and under indexation in more international data bases. (ISSN/ISSN-L 2359-8646)



Conference on Ulam's Type Stability (CUTS)

October 8 – 13, 2018, Timișoara, Romania

Organizers: Department of Mathematics of Politehnica University Timișoara
in cooperation with

Department of Mathematics of Pedagogical University of Cracow, Poland

Faculty of Applied Mathematics of AGH University of Science and Technology (Cracow, Poland)

<https://cuts.up.krakow.pl/2018/>

The conference is devoted to various investigations connected with the notion of stability, motivated by the well-known problem of S. Ulam, on the approximate homeomorphisms of metric groups, and related issues.

The participants were invited to give talks on:

- stability of difference, differential, functional, and integral equations,
- stability of inequalities and other mathematical objects,
- hyperstability and superstability,
- various (direct, fixed point, invariant mean, etc.) methods for proving Ulam's type stability results,
- generalized (in the sense of Aoki and Rassias, Bourgin and Găvruta) stability,
- stability on restricted domains and in various (metric, Banach, non-Archimedean, fuzzy, quasi-Banach, etc.) spaces,
- relations between Ulam's type stability and fixed point results,
- related topics.

Moreover, some special invited plenary lectures were been given.



22nd International Conference on System Theory, Control and Computing (ICSTCC 2018)

October 10 – 12, 2018, Sinaia, Romania

Organizers: Faculty of Automation, Computers and Electronics of University of Craiova; Faculty of Automatic Control and Computer Engineering of Gheorghe Asachi Technical University of Iasi; Faculty of Control Systems, Computers, Electrical and Electronics Engineering of “Dunarea de Jos” University of Galati; Faculty of Automation and Computers, Department of Automation and Applied Informatics and Department of Computers and Information Technology of Politehnica University Timișoara

<http://www.icstcc.ugal.ro/2018/>

ICSTCC 2018 has featured several kinds of presentations, including invited talks, contributed papers, posters and special sessions. The outcome of ICSTCC 2018 is a better understanding of some leading research areas, as already System Theory, Control and Computing have demonstrated.

ICSTCC 2018 has welcomed papers on the following topics:

- Automation and Robotics: Linear and Nonlinear Control System Design, System Identification and Process Modeling, Robust and Adaptive Control, Robotics and Intelligent Control, Applications and Case Studies in Automation and Robotics, Embedded Systems;
- Computer Science and Engineering: Distributed Systems and Software Engineering, Databases, Systems of Programs and Expert Systems, Web services, Internet Security, Software Tools and Methods, Grid Computing, Artificial Intelligence, Computer Architectures;
- Electronics and Instrumentation: Modeling, Simulation and CAD Tools, Signal Processing and Communication Systems, Linear and Nonlinear Circuits and Systems, Evolutionary Electronics.

Publication of papers:

IEEE Xplore Digital Library, please visit <http://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=ICSTCC%202018>



Aquademica 2018 Conference

Water Management in the context of climate change. International experiences.

October 11 – 12, 2018, Central Library of the Politehnica University Timișoara, Romania

Organizers: Aquademica Foundation, Aquatim, Romanian Water Association and Politehnica University Timișoara

<http://conferinta.aquademica.ro/>

Aquademica International Scientific Conference continues the tradition of the previous Eco-Impuls Conference, and in 2018 year it was held at the Library of Politehnica University Timișoara in Romania.

Conference topics:

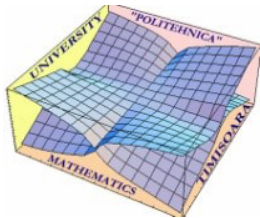
- Water technology
- Economical and legal aspects of water management
- Water management under the climate change

Aquademica 2018 Conference enables researchers, students and other specialists to participate with full papers reflecting their recent research results convergent with the conference theme. Authors were invited to publish the papers that describe novel ideas and technologies, applications, experiments and empirical studies or design techniques within topics of the conference.

Accepted papers were included in conference digital edition and published in the following journals:

- Aquademica Journal
- Chemical Bulletin of Politehnica University Timișoara, Abstracted/indexed in Index Copernicus, Directory of Open Access Journals, Electronic Journals Library, VINITI, Chemical Abstracts Plus, Ulrich's Periodicals.
- Scientific Bulletin of the Politehnica University Timișoara, Transactions on Engineering and Management
- Scientific Bulletin of the Politehnica University Timișoara, Transactions on Hydrotechnics

ICMA 2018



The 15th International Conference on Mathematics and its Applications - ICMA 2018

November 1 - 3, 2018, Central Library of the Politehnica University Timișoara, Romania

Organizers: Department of Mathematics - Politehnica University Timișoara
Romanian Academy - Timisoara Branch

http://www.mat.upt.ro/Informatii_141_ro.html

The main aim of the Conference was to facilitate the exchange of knowledge and of new results in the field of mathematics and its applications in various other fields of study. We hope that the Conference has provided invaluable opportunities for fruitful contacts between participants from Romania and from abroad.

The lectures presented at ICMA 2018 were included in three sections:

1. Mathematical analysis and applications,
2. Algebra and Geometry, Computer Algebra Systems in research and
3. Applied Mathematics in Engineering and Economics, Probability and Statistics in Health and Clinical Research.

The lectures presented at ICMA 2018 belong to a variety of topics reflecting the concern of various research teams and/or fields.

Published papers by:

Selected papers were published by Politehnica Publishing House in the volume *ICMA 2018 - The 15th International Conference on Mathematics and its Application*, ISSN 1224 - 6069 and in the *Scientific Bulletin of the Politehnica University Timișoara, Transactions on Mathematics and Physics*. Languages of publication: English.



13th International Symposium on Electronics and Telecommunications (ISETC18)

November 08 - 09, 2018, Timișoara, Romania

Organizers: Faculty of Electronics, Telecommunications and Information Technologies,
Politehnica University Timișoara;
Association of Electronics and Telecommunication Engineering from Timișoara.

<http://conference.etc.upt.ro/isetc2018/>

Technical sponsors

- IEEE Romania
- Joint Chapter Communications/IEEE Information Theory/Signal Processing Societies
- ASTR - Romanian Academy of Technical Sciences

This year's conference consists of two plenary sessions and 14 regular parallel sessions, where 79 papers, written by 192 authors from 7 countries, were presented.

Main track were:

1. Intelligent Electronic Systems
2. Telecommunications
3. Signal Processing
4. Education & Learning Technologies

Other activities

1. Workshop - Satellite Communication - The Backhauling for Mobile next generation, room MULTIMEDIA 2
2. IEEE Young Professionals Group Meeting
November 09
3. Honorary professor awarding ceremony -
Prof. Ph.D. Pavol Bauer

Publication of papers:

The Conference proceedings could be found on **Web of Science**, **eXplore** data bases (IEEE) and **SCOPUS**

INTERNATIONAL CONFERENCE
„GLOBAL and REGIONAL
in ENVIRONMENTAL PROTECTION”

GLOREP 2018

Global and Regional in Environmental Protection (GLOREP2018)

November 15 – 17, 2018, Conference Center of the Politehnica University Timișoara, Romania

Organizers: Politehnica University Timișoara,
in cooperation with the West University of Timisoara, University of Petrosani,
and University of Agricultural Sciences and Veterinary Medicine of Banat *‘King Mihai I of Romania*,
under the auspices of the Balkan Environmental Association (BENA) and the Politehnica Foundation.
<http://glorep.upt.ro/>

The event was dedicated to the celebration of the Centenary of Romania and was associated with an artistic program organized by students and the famous painter Mihai Teodor OLTEANU from Timisoara, completed by exhibition homage panels dedicated to the one who defeated the gravity, the inventor Traian VUIA put at the disposal of the Banat Museum. It was devoted to global and regional environmental issues, being part of the BENA conferences, hosted annually in the Balkan -space, focusing on specific environmental issues and concerns. The event also marked the 98th anniversary of the birth of the Politehnica University Timișoara, by King Ferdinand, in November 1920.

The event included several scientific sections in which scientists from Romania and abroad (Albania, Canada, Croatia, Cameroon, Macedonia, Greece, Germany, Serbia, Slovakia, Hungary, Turkey, China, Iran,) presented large-scale works and will debated themes in the fields of following main TOPICS:

- environmental management and sustainable development,
- public health impact,
- climate change and environmental risk assessment,
- renewable energy resources and technologies,
- air, water and soil quality,
- urban planning,
- environmental education and public awareness

Publication of papers: <https://glorep.upt.ro/resource/Glorep2018.pdf>;

Publisher: Politehnica Printing House, Timisoara, 2018, ISBN 978-606-35-0385-5

COHESION

CONFERENCE ON HERITAGE AND SUSTAINABLE INNOVATION

International Conference on Heritage and Sustainable Innovation - CoHeSION

November 17, 2018, Central Library of the Politehnica University Timișoara, Romania

Organizer: Faculty of Architecture and Urban Planning, Politehnica University Timișoara
<http://cohesion.ro/index.html>

Heritage can be a base for identity, integrity and “spirit of place”, value, individuality, emotion and can play an important role in ensuring social cohesion and welfare. Understanding heritage and its contribution to social and urban development needs to be done from a multidisciplinary perspective. As an integral factor of sustainable development heritage promotes a high quality of life through cultural values. It also reinforces unity and diversity, bringing citizens together, while enhancing the uniqueness of communities and individuals. Considering that 2018 was the European Year of Cultural Heritage, the first edition of the International Conference on Heritage and Sustainable Innovation – CoHeSION, was organized by the Faculty of Architecture and Urban Planning. 28 papers were presented at the conference, by international and national authors. Architect and member of the European Parliament, Daniela Aiuto was the keynote speaker. The CoHeSION conference offers an important platform for researchers, architects, engineers and other specialists to present and discuss a wide variety of topics related to the protection of historical heritage:

- Theories, research, documentation, historical studies: presentation of sites, elements, contents and contenders for whom heritage is a key factor.
- Urban strategies: sites presentation and initiatives with the purpose of urban heritage and landscapes development.
- Heritage management: management of establishments, sites, assemblies and individual buildings; interaction with actors; economic, legal, administrative, political, cultural, fiscal and environmental contexts.
- Technology and techniques: available technologies for restoration, conservation and rehabilitation as one of the most important steps in dealing with heritage.
- Interior design heritage: restoration, conservation and rehabilitation of existing historical buildings.

Publication of papers:

Accepted papers after review were published in the “Journal of Architecture, Urbanism and Heritage” (ISSN 2668-2249), a peer-review academic journal which publishes original research papers and advances theory, research and practice in the fields of architecture and urban planning.

