## DEADLINES:

15.02.16, abstract due date
25.02.16, notification of the abstract acceptance 10.05.16, manuscript due date www.scientific.net 31.05.16, notification of manuscript acceptance
22.06.16, submission of the final manuscripts 23.09.16-25.09.16, Conference in Chalkidiki, Greece

## IManEE ORGANIZERS:

Department of Mechanical Engineering and Industrial Design, Tehnological Education Institute of West Macedonia, Kozani, Greece
Department of Industrial Engineering, "Georghe Asachi" Technical University of Iaşi, România

## HONORARY COMMITTEE:

Paul MAROPOULOS, Aston University, UK Laurențiu SLĂTINEANU, TUIASI, România Norman RIDLEY, University of Manchester, UK

## CONFERENCE CHAIR:

Stergios MAROPOULOS, TEIWM, Greece

## CONFERENCE CO-CHAIRS:

Konstantinos KAKOULIS, TEIWM, Greece Savvas DOUVARTZIDIS, TEIWM, Greece Sofoklis MAKRIDIS, TEIWM, Greece Panagiotis KYRATSIS, TEIWM, Greece Nikolaos TAOUSANIDIS, TEIWM, Greece

ORGANIZING COMMITTEE, TEIWM, Greece: Stergios MAROPOULOS, Panagiotis KYRATSIS, Dimitrios STIMONIARIS, Athanasios MANAVIS, Sofia PAPANIKOLAOU, Lina STATHOPOULOU,

IManEE 2016 SECRETARY, Greece:
Contact person: Stathopoulou Lina,
Email: imanee@teiwm.gr, Phone: +00302461068218 Address: Technological Education Institute of West Macedonia, Koila, Kozani - 50100, Greece, Fax: +00302461038675, Website: http://www.imane.ro/

## CALL FOR PAPERS:

Authors from universities, research centers and industry are invited to submit abstracts and participate in the Innovative Manufacturing Engineering \& Energy Conference, IManEE 2016 that will be held at the Pallini Beach Hotel, a spectacular holiday resort in one of the most sought - after destinations in the beautiful peninsula of Kassandra, Chalkidiki, Greece, on 23rd 25th September 2016.
It will be a forum for the free exchange of ideas between the industry and academia in the field of Manufacturing Engineering \& Energy.

Proceedings will be published in full text in a periodical on www.scientific.net (by Trans Tech Publications Ltd.) and they will be proposed by Trans Tech Publications Ltd (Switzerland) for indexing by Elsevier, SCOPUS and Ei Compendex (CPX), Cambridge Scientific Abstracts (CSA), Google and Google Scholar, ISI (ISTP, CPCI, Web of Science) etc.
Selected Full Manuscripts will be peer reviewed by 3 experts of the field. The review is coordinated by the staff of the partner Universities in Collaboration with the International Scientific Committee and will be published, subject to passing the stringent peer review process, in special issues or as regular papers, depending on the field in the following journals:
Applied Mechanics and Materials by Trans Tech Publications Ltd (Switzerland)
Material Science \& Engineering with Advanced Research Journal (MSER)
Journal of Nanoscience with Advanced Technology (JNAT)
Journal of Energy and Environmental Research and Technology (JEERT)
Peer- Reviewed; Open Access by Verizona Publishing, London, U.K.
http://verizonaonlinepublishing.com
Selected invited papers will be published in Materials Science and Engineering: B (Advanced Functional SolidState Materials) indexed by Elsevier.

The IManE2013 and IManE2014 conference proceedings have been indexed by Thomson Reuters Conference proceedings Citation Index - Science (ISI Web of Science data base).

IManE2015 conference proceedings were submitted to Thomson Reuters Conference Proceedings Citation Index-ScienceSM (ISI Web of Science) for evaluation of inclusion in the list.

## CONFERENCE FEE:

Pre- registration fee: $\mathbf{2 5 0}$ Euro (before May 6, 2016, and late registration fee: $\mathbf{2 8 0}$ Euro.
Students, PhD Students and Senior Professors: 140 Euro Second paper: 100 Euro.
Fee for accompanying persons: 100 Euro (all meals included).
Fee for Proceedings hard copy: 50 Euro.

## CONFERENCE TOPICS:

- Advanced Machining and Surface Engineering
- Assembling Technologies, Forming Technologies
- Non-Conventional Technologies in Manufacture and Industry
- Welding Technologies and Non Destructive Testing (NDT)
- Advanced Materials and Construction Technologies
- Flexible Manufacturing, Automation and Robotics
- CAD/CAM/CAE/CAx Technologies
- Mechanical and Manufacturing Equipment, Devices and

Instrumentation, Design and Analysis

- Industrial and Product Management, Quality and Evaluation
- Design, Product Design and Industrial Design Engineering
- Bioengineering and Biomaterials
- Sustainable Design and Sustainability
- Biomass Applications
- Smart Grids
- Energy Efficiency in Buildings
- Energy systems and energy management
- Energy policies
- Environmental technologies and studies
- Renewable energy technologies and energy saving materials

IManEE, Kallithea Chalkidiki, Greece, 2016
Conference on Innovative Manufacturing Engineering \& Energy, the 20th Edition

## IManEE 2016

"Science and Engineering in the land of Aristotle"
September 23-25, 2016
Kallithea Chalkidiki, Greece
http://www.imane.ro/

## INTERNATIONAL SCIENTIFIC

## COMMITTEE:

Marioara ABRUDEANU, U of Piteşti, România. Harisios ACHILAS, International Hellenic University, Greece Elisavet AMANATIDOU, TEI West Macedonia, Greece Aristomenis ANTONIADIS, Technical U of Crete, Greece Argiro ASVESTA, TEI West Macedonia, Greece George AVGOUROPOULOS, University of Patra, Greece Nikolaos ASIMOPOULOS, TEI West Macedonia, Greece Athena BARONOU, TEI West Macedonia, Greece Nicolae BÂLC, TU of Cluj-Napoca, România
Nihai BĂNICĂ, TU of Cluj-Napoca, NU Center of Baia Mare Mustafa BAGRIY ANIK, Istanbul Technical U,Tyrkey Katarzyna BIALAS, Silesian TU, Poland Paul Dan BRÎNDASU, U Lucian Blaga of Sibiu, România Gheorghe BRABIE, U Vasile Alecsandri of Bacau, România Antonios BISBAS, TEI West Macedonia, Greece Nikolaos BILALIS, Technical University of Crete, Greece Octavian BOLOGA,U Lucian Blaga of Sibiu,România Charitini VOULGARAKI, TEI West Macedonia, Greece Andrzej BUCHACZ, Silesian TU of Gliwice, Poland Carmen BUJOREANU, Gheorghe Asachi TU of Iaşi, RO Francisco CHINESTA, Ecole Centrale de Nantes, France George CHRISTOFORIDIS, TEI West Macedonia, Greece Konstantinos DAVID, TEI West Macedonia, Greece Vaya DINOPOULOU, TEI West Macedonia, Greece Christos DIMOPOULOS, European U Cyprus, Cyprus Florin DIMOFTE, U of Toledo, USA
Evangelos DIALYNAS, National Technical U, Greece Savvas DOUVARTZIDIS, TEI West Macedonia, Greece Petru DUŞA, Gheorghe Asachi TU of Iaşi, România Oana DODUN, Gheorghe Asachi TU of Iaşi, România George DRAGHICI, U Politehnica of Timişoara, România Nicoleta ENE, U of Toledo, USA
Catalin FETECAU, U Dunarea de Jos U of Galaţi, România

Konstantinos GAVROS, TEI West Macedonia, Greece George GRAGULIS, TEI West Macedonia, Greece Cesar GARCIA-HERNANDEZ, University of Zaragoza, Spain James GAO, Greenwich University, UK
Dimitrios GIAGKOPOULOS, U of Western Macedonia, GR Ioannis GIAPINTZAKIS, U of Cyprus, Cyprus Maria GOULA, TEI West Macedonia, Greece Ioannis GOUDAS, TEI West Macedonia, Greece Stergios GKANATSIOS, TEI West Macedonia, Greece George CHARALAMPIDIS, TEI West Macedonia, Greece Daniel GHICULESCU, U. Politehnica of Bucureşti, România António GONÇALVES-COELHO, U Nova de Lisboa, Portugal Jose Luis HUERTAS-TALON, University of Zaragoza, Spain Mihaiţă HORODINCA, TU Gheorghe Asachi of Iaşi, RO Andreas IORDANIDIS, TEI West Macedonia, Greece Konstantinos KAKOULIS, TEI West Macedonia, Greece Vaios KARAGIANNIS, TEI West Macedonia, Greece Loukas KARAGIANNAKIS, TEI West Macedonia, Greece Nikolaos KARTALIS, TEI West Macedonia, Greece Ioannis KAPAGERIDIS, TEI West Macedonia, Greece John KECHAGIAS, TEI of Thessaly, Greece
Vasileios KIKIS, TEI West Macedonia, Greece Panagiotis KYRATSIS, TEI West Macedonia, Greece Theodora KYRATSI, University of Cyprus, Cyprus Nikolaos KYRATZIS, TEI West Macedonia, Greece George KYRIAZOPOULOS, TEI West Macedonia, Greece Apostolos KORLOS, TEI of Thessaloniki, Greece Stanislaw LEGUTKO, Poznan U of Technology, Poland Octavian LUPESCU, Gheorghe Asachi TU of Iaşi, România Mircea LOBONTIU, NUCenter of Baia Mare, România Antonis LONDOS, Frederick University, Cyprus Yingguang LI, Nanjing U of Aeronautics and Astronautics, China
Loucas LOUCA, University of Cyprus, Cyprus Catalina MAIER, U Dunarea de Jos of Galaţi, România Gabriel MANSOUR, Aristotle U of Thessaloniki, Greece Emmanouil MARAVELAKIS, TEI of Crete, Greece Paul MAROPOULOS, Aston University, UK Stergios MAROPOULOS, TEI West Macedonia, Greece Ioannis MASTORAS, TEI West Macedonia, Greece Sofoklis MAKRIDIS, University of West Macedonia Eugen MERTICARU, Gheorghe Asachi TU of Iaşi, România Vasile MERTICARU, Gheorghe Asachi TU of Iaşi, România Alina MINEA, Gheorghe Asachi TU of Iaşi, România Sevasti MITSI, Aristotle U of Thessaloniki, Greece Athanasios MICHAILIDIS, Aristotle U of Thessaloniki, GR António MOURÃO, U Nova de Lisboa, Portugal Gheorghe NAGIT, Gheorghe Asachi TU of Iaşi, România Laurentiu Eduard NITU, U of Piteşti, România Irina NEAGA, U of Plymouth, UK
Anna NOCIVIN, U Ovidius of Constanţa, România Ioannis NTINTAKIS, TEI of Thessaly, Greece Asimina NTOMOPOULOU, TEI of West Macedonia, Greece

Aydogan OZDEMIR, Istanbul Technical University, Turkey Gheorghe OANCEA, Transilvania U of Braşov, România Nicolae OANCEA, U Dunarea de Jos of Galaţi, România Dumitru OLARU, Gheorghe Asachi TU of Iasi, România Răzvan PĂCURAR, TU of Cluj-Napoca, România Ion PANA, Petroleum-Gas U of Ploieşti, România Carmen Ema PANAITE, Gheorghe Asachi TU of Iasi, RO Viorel PAUNOIU, U Dunarea de Jos of Galaţi, România Sofia PAPANIKOLAOU, TEI West Macedonia, Greece Konstantinos PARISIS, TEI West Macedonia, Greece Dimokritos PANAGIOTOPOULOS, TEI West Macedonia, Greece
Andreas PETRAKIS, TEI West Macedonia, Greece Nikolaos POULAKIS, TEI West Macedonia, Greece Marcel Sabin POPA, TU of Cluj-Napoca, România Argirios PLIATSIOS, TEI West Macedonia, Greece Spyridon PLIATIAS, TEI West Macedonia, Greece Fabrizio QUADRINI, U Tor Vergata of Rome, Italy Miroslav RADOVANOVIC, U of Nis, Serbia Minodora RIPA, U Dunarea de Jos U of Galaţi, România Bogdan RUSU, Gheorghe Asachi TU of Iasi, România Nikolaos SAPIDIS, University of Western Macedonia, Greece Serafim SAVVIDIS, TEI West Macedonia, Greece Konstantinos SACHPAZIS, TEI West Macedonia, Greece Gabriela STRNAD, U Petru Maior, Tg. Mureş, România Laurențiu SLATINEANU, Gheorghe Asachi TU of Iaşi, RO Birgit Kjærside STORM, U of Aalborg, Esbjerg, Denmark Loredana SANTO, U Tor Vergata of Rome, Italy Francisco SANTOS, U of Valladolid, Spain Carol SCHNAKOVSZKY, U Vasile Alecsandri of Bacau, RO Nicolae SEGHEDIN, Gheorghe Asachi TU of Iaşi, România George SIDERIDIS, TEI West Macedonia, Greece Dimitrios STIMONIARIS, TEI West Macedonia, Greece Adamos STIMONIARIS, TEI West Macedonia, Greece Nikolaos TAOUSANIDIS, TEI West Macedonia, Greece Stavroula TAVOULTZIDOU, TEI West Macedonia, Greece Irina TIȚA, Gheorghe Asachi TU of Iaşi, România Alexei TOCA, TU of Moldova, Republic of Moldova Pavlina TOTEVA, Technical University of Varna, Bulgaria Apostolos TSAGARIS, TEI of Thessaloniki, Greece Konstantinos TSANAKTSIDIS, TEI West Macedonia, Greece Dimitrios TSIAMITROS, TEI West Macedonia, Greece Ionnis TSIAFIS, Aristotle University of Thessaloniki, Greece Lazaros TSIKRITZIS, TEI West Macedonia, Greece Athanasios TRIANTAFYLLOU, TEI West Macedonia, GR Dimitrios TZETZIS, International Hellenic University, Greece Alexandros TSOUKNIDAS, TEI West Macedonia, Greece Argirios VATALIS, TEI West Macedonia, Greece Danut ZAHARIEA, Gheorghe Asachi TU of Iaşi, România Valentin ZICHIL, U Vasile Alecsandri of Bacau, România Vaya ZACHARAKI, TEI West Macedonia, Greece Athanasios MANAVIS, TEI West Macedonia, Greece

