

# International Conference on Engineering Education and Research 2013

# iCEER 2013

Marrakesh, July 1st – 5th



[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

[HOME](#)   [GUEST SPEAKERS](#)   [WORKSHOPS](#)   [SPECIAL SESSIONS](#)   [VENUE](#)   [PROGRAM](#)   [EVENTS](#)   [REGISTRATION](#)   [COMMITTEES](#)

## iCEER 2013 Conference preliminary program announced :

To read the detailed schedule, [click here](#)

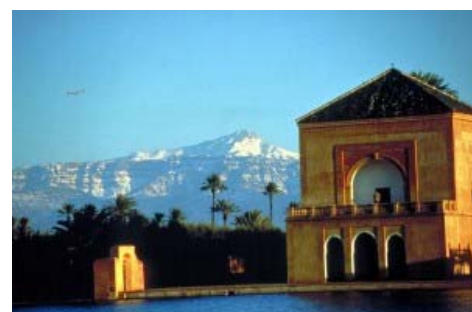
## BORDERLESS GLOBAL ENGINEERING EDUCATION, RESEARCH AND INDUSTRIAL DEVELOPMENT

The next International Conference on Engineering Education and Research will take place in the very famous city of Marrakesh (Morocco). It is one of the ICEE iCEER conference series sponsored around the world by the iNEER (now with 38,000 members in 98 countries). This is the first time of its long standing existence that an iCEER Conference is taking place in Africa. The general theme of iCEER 2013 Conference is: Borderless Global Engineering Education, Research and Industrial Development. iCEER 2013 main objective is to bring together researchers, academics, industrial partners, policy makers and experts in the field of Innovative and Technology Enhanced Engineering and Vocational Education. The conference activities, including technical and social ones, will be an opportunity to develop profitable collaborations and partnerships between all the participants. - The duration of the conference will be four days. The scientific program will include: High Quality Keynote Speakers, Oral presentations, Demonstrations of technology based training material and Posters.

## Indexing and Publications of the Conference Papers:

All papers are peer reviewed and accepted papers will be published in the Conference Proceedings. Selected extended papers will be also published in the iNEER Innovation 2014 Book or in the following Open Access Journals:

- iNEER Innovation book series (2002-2012), link to iNEER Publication Page: <http://www.ineer.org/INEERPapers/Welcome.htm> where you are also invited to submit a Book Chapter for Innovation 2013.
- International Journal of Emerging Technologies in Learning - iJET, [www.i-jet.org](http://www.i-jet.org)
- International Journal of Interactive Mobile Technologies - iJIM, [www.i-jim.org](http://www.i-jim.org)
- International Journal of Online Engineering - iJOE, [www.i-joe.org](http://www.i-joe.org)
- International Journal of Engineering Pedagogy - iJEP, [www.i-jep.org](http://www.i-jep.org)
- International Journal of Engineering, Science and IT - iJES (first issue in March 2013)
- [OnlineJournals.ORG](http://www.crossref.org/) is member of CrossRef (<http://www.crossref.org/>), which means all papers have a DOI (Digital Object Identifier). These open access journals have about 56.000 readers worldwide and are currently referenced and indexed in the following well-known sources of information:
  - INSPEC, <http://www.iee.org/publish/inspec>
  - Elsevier SCOPUS, <http://www.scopus.com>
  - EI, <http://ei.org>
  - EBSCO Publishing, <http://www.epnet.com>
  - DOAJ Directory of Open Access Journals, <http://www.doaj.org>
  - LOCKSS Stanford University Libraries, <http://lockss.stanford.edu>
  - ULRICH'S Periodicals Directory, <http://www.ulrichsweb.com>
  - Open J-Gate, <http://www.j-gate.informindia.co.in>
  - Google Scholar, <http://scholar.google.com>



## News

iCEE 2013 Conference preliminary program announced: To read the detailed schedule [click here](#)

Information for visa to Morocco, please [click on this link](#)

Please follow the [instructions](#) to upload your full paper

## Important dates

- 31 March 2013: Full Paper Submission
- 20 April 2013: Final Acceptance Notification
- 30 April 2013: Registration fee payment to guarantee receiving a copy of *Innovations 2013*
- 01 May 2013: Camera Ready Submission
- 05 May 2013: Early registration and Fee payment Deadline
- 15 May 2013: Authors must pay by May 15, 2013 to guarantee publication in electronic iCEER 2013 Proceedings
- 01 June 2013: Deadline to cancel registration fee payment (50% of fees refunded)
- 30 June 2013: Deadline for Late Registration (No On-site Registration Accepted)
- 1st - 5th July 2013: Conference days

## THE SCOPE OF THE CONFERENCE WILL COVER (BUT NOT LIMITED TO):

- Accreditation and Quality Assurance in Engineering Education in Africa
- Smart Grid Education and Research
- International and Regional Campus Networks
- Outreach Engineering Education Programs
- Financing research and development and Research Valorization
- Science Technology and Mathematics Education
- Laboratory experiences: on-site, online; at home and mobile labs
- Student Learning Assessment
- Distance Education: Methods, technologies, and assessment
- Energy, Mine, Biotechnology, Environment and Transportation Innovative Education and Research
- Partnerships and Stakeholders (industries, governments, universities, international and regional organizations)
- Smart Learning and Research in Mobile and Social Age
- Mobile, Embedded and Cloud Computing Technologies in Education and Research

## SUPPORTED BY



# International Conference on Engineering Education and Research 2013

# ICEER 2013

Marrakesh, July 1st – 5th



[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

[HOME](#)   [GUEST SPEAKERS](#)   [WORKSHOPS](#)   [SPECIAL SESSIONS](#)   [VENUE](#)   [PROGRAM](#)   [EVENTS](#)   [REGISTRATION](#)   [COMMITTEES](#)

## INTERNATIONAL CONFERENCE ON ENGINEERING EDUCATION AND RESEARCH 2013

30 JUNE 2013 RYAD MOGADOR AGDAL MARRAKESH

### WORKSHOP CYBER CRIME

DR. GURDEEP HURA  
MATHEMATICS AND COMPUTER SCIENCE DEPARTMENT  
UNIVERSITY OF MARYLAND EASTERN SHORE  
PRINCESS ANNE, MD, USA

### WORKSHOP AGENDA

8:30am – 9:00am	Cyber Crime: An Overview
9:00am – 9:30am	Cyber Tools and Case Studies: An Overview
9:30am – 9:45am	Break and Discussion
9:45am – 10:45am	Challenges and Related Issues with Cloud Computing, Social Networking and Big Data Incident Response Methodology: Step-by-Step Approach
10:45am – 11:15am	Cyber Ethics: An Emerging Ethical Perspective
11:15am – 12:30am	Forensic Tools: Hands-on Experience and Demonstration

## INTERNATIONAL CONFERENCE ON ENGINEERING EDUCATION AND RESEARCH 2013

30 JUNE 2013 RYAD MOGADOR AGDAL MARRAKESH

### WORKSHOP REMOTELY OPERATED LAB EXPERIMENTS: USAGE AND DEPLOYMENT

### WORKSHOP AGENDA

Time	Title	Authors / Affiliation
14:00-15:00	Introduction LabVIEW and Implementation of ISA Architecture	Raúl Cordeiro Portugal
15:00-16:00	Using Online Experiments and Mobile User Interface Design	Jim Henry, USA
16:00-17:00	Building and Deploying OnLine Labs Using LabVIEW	Jim Henry, USA

17:00-18:00

Standards, Wrap Up Discussion Unanswered Questions

Hamadou Saliah-Hassane  
Canada  
&  
Jim and Raül

Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
Conference Website: <http://iceer2013.labader.org>

International Conference on Engineering Education and Research 2013

# iCEER 2013

Marrakesh, July 1st – 5th

**INEER**  
International Network for Engineering Education & Research

[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

**ADEA**

HOME   GUEST SPEAKERS   WORKSHOPS   **SPECIAL SESSIONS**   VENUE   PROGRAM   **EVENTS**   REGISTRATION   COMMITTEES


## SPECIAL SESSION ON MASSIVE OPEN ONLINE LABORATORIES (MOOLS)

**TUESDAY JULY 2ND**

**Session Chair: Denis Gillet EPFL**

11:30	Keynote – Massive Open Online Laboratories for Education Needs a Sound Standardization Process (Hamadou Saliah-Hassane)
11:50	Impact of Massive Open Online Laboratories in Maghreb and Meddle East Region (Amine Berqia)
12:00	Using Online Experiments and Mobile User Interface Design (Jim Henry)
12:10	Research on Online Laboratories in Tunisia (Mohamed Mhamdi)
12:20	Security in Education and Research Virtual Organizations (Amadou Dahirou Gueye)
12:30	Cloud Systems and Online Laboratories (Ahmed Sebbar Alaoui)
12:40	Modeling Intelligent Agents in J2ME (Mahieddine Mohammed)

<b>12:50</b>	Interfacing online labs through OpenSocial Apps (Denis Gillet)
<b>13:00</b>	Chair- Round table (Denis Gillet)
<b>13:30</b>	Closing



Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
Conference Website: <http://iceer2013.labader.org>

International Conference on Engineering Education and Research 2013

# iCEER 2013

Marrakesh, July 1st – 5th

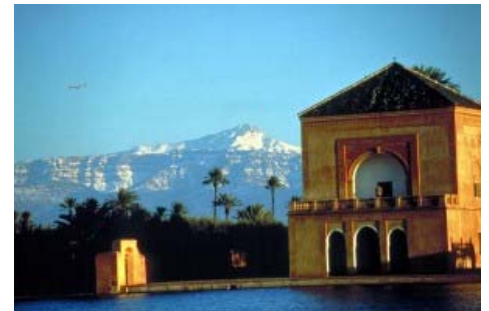


[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

[HOME](#)   [GUEST SPEAKERS](#)   [WORKSHOPS](#)   [SPECIAL SESSIONS](#)   [VENUE](#)   [PROGRAM](#)   [EVENTS](#)   [REGISTRATION](#)   [COMMITTEES](#)

The iCEER 2013 conference will be held at hotel

[Ryad Mogador Agdal Hotel \(5\\*\)](#)



## Important dates

15 February 2013: Abstract Submission

02 March 2013: Abstract Acceptance Notification

22 March 2013: Full Paper Submission

20 April 2013: Final Acceptance Notification

01 May 2013: Camera Ready Submission

1st – 5th July 2013: Conference days

All the events of the conference will be located in the Ryad Mogador Agdal Hotel except the Social visits and the Gala Dinner that will be bus driven.

SUPPORTED BY





Association for the  
Development  
of Education  
in Africa



جامعة مولاي إسماعيل  
UNIVERSITÉ MOULAY ISMAÏL



جامعة الحسن الأول  
UNIVERSITÉ HASSAN I<sup>er</sup>



جامعة محمد الخامس السويسي  
Université Mohammed V - Soussi



Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
Conference Website: <http://iceer2013.labader.org>



# ICEER 2013

Marrakesh, July 1st – 5th



www.iceer2013.labader.org

- HOME
- GUEST SPEAKERS
- WORKSHOPS
- SPECIAL SESSIONS
- VENUE
- PROGRAM
- EVENTS
- REGISTRATION
- COMMITTEES

VENUE

TRAVEL

## Monday July 1

8h30

Registration

9h00

Opening

**Dr. Essaaidi Mohammed, Head of École Nationale Supérieure d'Informatique et d'Analyse de Systèmes (Morocco)**

**D. Win Aung Secretary General of iNEER (USA)**

**Dr. Frode Eika Sandnes, Oslo and Akershus University College of Applied Sciences (Norway)**

9h30

Keynote I

**Hamidou Boukari**

Keynote II

**Muhammad H. Zaman**

11h00

Coffee Break

11h30-13h30

Full Paper Sessions

*Distance Education: Methods, technologies, and assessment*

*Science Technology and Mathematics Education*

*Laboratory experiences: on-site, online; at home and mobile labs*

*Student Learning Assessment*

*Energy, Mine, Biotechnology, Biotechnology, Environment and Transportation Innovative Education and Research*

31. Mohtadi Mohamed Taib, Allali Hakim and Hajami Abdelmajid. Integrating computer games in learning activities

36. Ibrahim Abdullahi. Concept and fundamentals of computer aided design and computer aided engineering in mechanical engineering design and development

105. Thomas Zimmer, Didier Geoffroy, Andreas Pester, Ramona Oros, Thrasyvoulos Tsatsos and Stella Douka. eScience: Setting up a network of remote labs in the Maghreb countries

20. Yassine Salih Alj and Driss Lahjouji. The Evolution of Difficulty Preconception for an Academic Course

12. Jan Bujnak. REASONABLE ENERGY MANAGEMENT IN BUILDINGS

160. Deborah M. Grzybowski, Scott Abernathy, Alison C.

60. Jekaterina Bule and Larissa Zaitseva. Component-based Engineering in E-course Development for Distance Education
58. Josef Rojter. The missing link 1 or an integrating enabler in engineering education: A case for the inclusion of chemical literacy into engineering curriculum
72. Amadou Dahirou Gueye, Davy E. Moussavou, Samuel Ouya, Hamadou Saliah-Hassane and Claude Lishou. Proposal of a standard mutual authentication system in a virtual organization
139. Ang Liu, Stephen Lu, Gisele Ragusa and Yun Dai. Employing Technologies to Enhance Students' Global Preparedness: iPodia
157. Amanda Roble, Jenna Tague, Jennifer Czocher and Gregory Baker. Pencasts as Exemplars of Mathematical Modelling for Engineering Students
164. Jenna Tague, Jennifer Czocher, Gregory Baker, Kathleen Harper, Deborah M. Grzybowski and Rick Freuler. Engineering Faculty Perspectives on Mathematical Preparation of Students
165. Thomas E. Doyle. Closing the Design Loop Using CAD, Simulation, and 3D Prototype Models in Freshman Engineering Design and Innovation Projects
187. He Lingsong and Tan Qiong. An Android-Based Mobile Measurement Laboratory
49. Nissim Sabag, Elena Trotskovsky and Shlomo Waks. Misconceptions in Electronics Design using Simulation
67. Meddeb Mohamed, Ben Ammar Mohamed and Alimi Adel. Real Time Automatic Emotion Recognition from Speech (RTAERS)
111. Satoshi Kiriya, Hidetoshi Sakamoto and Yoshifumi Ohbuchi. Highly Efficient Group Work Realized by the Interaction between Groups
247. Ntwali Benjamin Sendama, Aawatif Hayar and Sofia Bouferda. New ICT-Based Architecture for Energy Management and Energy as a Service Concept in Smart Grids
85. Barry Benedict. Use of Sustainability as a Framework for Doctoral Courses in Environmental Science and Engineering
221. Kwang Sun Kim, Capstone Design Project: Developing the Intelligent Plant Factory

13h30

Lunch

15h00-17h00

**Full Paper Sessions**

***Distance Education: Methods, technologies, and assessment***

***Science Technology and Mathematics Education***

***Laboratory experiences: on-site, online; at home and mobile labs***

***Outreach Engineering Education Programs***

***Partnerships and Stakeholders***

83. Kamal El Guemmat, Elhabib Benlahmer, Mohamed Talea, Aziz Chara and Mohamed Rachdi. Multi Layers Indexing Model of Teaching and Learning Resources
42. Eusebio Jimenez Lopez, Saúl Ontiveros Moroyoqui, Gabriel Luna-Sandoval, Ignacio Javier Vázquez Cuevas, Julio Humberto Moroyoqui Valencia, Luis Andrés García Velázquez, Baldomero Lucero Velázquez and Luis Reyes Ávila. REVERSE ENGINEERING PROCEDURE APPLICATION FOR A PRIMITIVE COMPONENT CHARACTERIZATION
112. Ousmane Moussa Tessa, Thierry Karsenti, Colette Gervais and Michel Lepage. Using a virtual learning environment to assess motivation to learning mathematics in higher education in Niger
28. Esther Phiri and Moses Chinyama. Factors influencing female students' decision to study engineering in Malawi
209. Vitaly Pechenkin and Dmitry Lepestkin. Optimization of camera positions for optimal object visualization in three-dimensional complex configuration scene
91. Nobuhiko Koike. A Cyber Laboratory as a Private Cloud: Combining Actual Laboratory and Remote Laboratory for Hardware Logic Experiments
5. Kirk Hagen. A Contextual Engineering Laboratory: Heat Transfer via Thermal Behavior of Electronics
61. In-Sook Kim. Developing Collaborative Mentoring Program For Female Engineering Students
77. Enrique Ballester Sarrias, Laura Contat Rodrigo, Manuel Gasch Salvador and Luis Manuel Sanchez Ruiz. A PROCEDURE FOR THE ASSESSMENT OF BACHELOR DEGREES IN VALENCIA (SPAIN)
40. Rosa Buxeda and Lorenzo Saliceti. The Amgen BioTalents: Enabling Biotechnology Knowledge and Professional Skills in Science and Engineering Curricula
179. Youmin Hu, Bo Wu, Liping Zhou, Lingsong He and William Singhose. Practice Competence Training in Mechatronics Engineering Education Under the Cooperation Project Between HUST and GATECH

117. Ben Said Olfa, Karray Hichem, Alimi Adel and Abdelkrim Haqiq. T-Learning and Interactive Television Edutainment

253. Larissa Fradkin. Efficient teaching of differential calculus to engineering freshers

184. Vijaya Gopu and Roger Seals. Field Monitoring Education in a Civil Engineering Curriculum

278. Emmanuel Glakpe. Preparing High School Students to Succeed in Science, Technology, Engineering and Mathematics

254. Ahmed Elamrani, Margarete Schermutzk, Samuel Kwame Offei, Taky Hortense Atta Epse Diallo, Kamleshwar Boodhoo, Guillaume Lucien Amadji, Jean Ndimubandi, Mariama Sene, Jean Baptiste Ramaroson, Alexander Kigunzu Kahi, Puffy Soundy, Olubunmi Abayomi Omotesho, Yemi Akegbejo-Samsons, Christopher Mubetench Tankou and Olusola Bandele Oyewole. Meta-profile development using the Tuning Methodology to support Agricultural Sciences Training in Africa

17h00

Coffee Break

Poster Sessions

202. Juan Carlos Pequeña Suni. Numerical Distance Electrical Protection using Real-Time Simulation in Electrical Engineering Education

121. Hanif Ullah, Bernabé Marí and Luis Manuel Sánchez Ruiz. Modeling and analysing CIGS thin-film solar cell by SCAPS

23. Amadou Kane, Issa Diagne, Cheikh Tidiane Sall and Grégoire Sissokho. Entrepreneurship in Engineering Education Programs: Senelec Case

123. Zahraoui Yassine. Efficient Broadcasting for Delay-Tolerant Networks

128. Abdelhalim Hnini, Abdellah Ezzati and Abdelmajid Hajami. Improvement of LEACH QoS Subject to Multimedia Traffic Types with variable size packet

263. Moulay Ahmed Sebbar Alaoui and Amine Berqia. Next Generation Networks in service to learning and remote laboratories

50. Ousmane Sidia and Hamadou Saliah-Hassane. Mobile Assistantship, Teaching laboratory Infrastructure Strengthening in Africa

21. Amadou Kane, Issa Diagne, Alassane Diene, Baba Fleur and Gregoire Sissokho. Study of school dropout in Senegal

225. Nabil Banamar, Maria Benamar and Moulay Driss El Oudghiri. IPv6 migration and deployment in Morocco : a multistakeholder challenge

135. Chahidi Badr and Ezzati Abdellah. new mechanism for managing Qds in sensor network

170. Vladimir Zemskov and Dmitriy Kochetov. The device for formation of horizontal boreholes in the ground with various physicochemical properties

25. Tarek Abdoun, Usama El Shamy and Anthony Tessari. Multi-Institutional Remote Experimental Lab Learning for Engineering Education

109. Mohamed Ghazouani, Hicham Medromi and Adil Sayouti. An integrated use of BSC, COBIT, ITIL, PMBOOK and ISO27001 frameworks for information systems governance (ISG) based on multi-agents system

237. Imane Rahmouni, Mohamed El Kamili, Mohammed Raiss El Fenni and Lahcen Omari. Optimal buffer management policies in DTNs: A POMDP approach

140. Sanae El Oukkal and Omar El Beqqali. prefetching and indexing data in mobile environment

264. Adil Sayouti, Hicham Medromi and Sophia Faris. Multi-agents Systems: Application to Distance Education

180. Odesola Isaac. DESIGN, CONSTRUCTION AND PERFORMANCE EVALUATION OF A BIOMASS COOKSTOVE

115. Stephen Levitt and Ken Nixon. A Final-Year Undergraduate Project Online Bidding and Automated Allocation System

240. Mohamed El Kamili and Ahmed El Ouadrhiri. Controlled forwarding Strategy for PROPHET Routing in DTNs

47. Amadou Kane, Issa Diagne, Alassane Diene, Biram Dieng and Gregoire Sissokho. pupils learning assessment in high school in senegal

52. Juan Delfín Vázquez, Jorge Carrera Bolaños, Mario Acosta Flores, Eusebio Jimenez Lopez, Juan Carlos Tzab Pat, Eduardo García and Isidro Gamboa. Didactic cooling machine development for deformations measuring in simple structures

242. Amadou Kane, Issa Diagne, Aminata Diasse Sarr and Gregoire Sissokho. Evaluation of pollution of discharged water by suspended solids: Case of steam power plant and Diesel power plant at Cap des Biches

241. Hassane Alzouma Mayaki, Karimou Djibo and Hamadou Saliah-Hassane. Collaborative Online Software Testing

246. Oumarou Halidou and Radouane Mrabet. Differentiated users and services framework for NGN

280. Carlos Negro, Angeles Blanco, Elena Fuente, Concepción Monte, Daphne Hermosilla, Antonio Tijero and Julio Tijero. Design of innovative tools for the performance of transversal and specific capabilities of Process Engineering

248. Abdelatif Khaldouni,

- Mohamed Moussetad, Ahmed Fahli, A Neddami and Abdellah Ait Taleb. Implementation of a remote session of practical work in nuclear physics on the backscattering of  $\alpha$ -particles. Second part: automation the change of the target samples
211. Adamou Saliah Hassane. The Use of Solar Power to Master Electric Energy Consumption in Buildings and Public Places
262. Amjad Mahfouth. Survey on Security in Next Generation Networks
33. Ahmed Alifdal and Ahmed Eddaoui. A Framework for service level agreements Audit Using Mobile Agents and Data Mining Approach
37. Amadou Kane, Issa Diagne, Cheikh Tidiane Sall and Grégoire Sissokho. Evaluation of vocational training actions

136. Mohammed FIHRI, Mohamed OTMANI, Abdellah EZZATI and Abderrahim Beni Hssane, The impact of Black-Hole attack on AODV protocol.
80. Hanwoo Kim, Jinseok Park and Dongjoo Kim. Relationship between industry field training and employment rate in Korea.

## Tuesday July 2

8h30

Registration

9h00

**Keynote III**

**Gilbert Frade**

10h30

Coffee break

11h00-13h00

11h30

### Full Paper Sessions

### Workshop

#### *Distance Education: Methods, technologies, and assessment*

#### *International and Regional Campus Networks*

#### *Student Learning Assessment*

#### *International and Regional Campus Networks*

#### *Special Session on Massive Open Online Laboratories (MOOLs)*

54. Razwan Mayi. Remote Labs to the improve Engineering Education in MENA Region

35. Dong Sik Jang. Campus networking programs for creative engineering education

127. Giuliano S. Olgin, Paulo S. Cugnasca and João B. Camargo Jr.. Student Learning Quality Assessment based on the Alumni Profile

27. Ran Baik. A Case Study on the National Brand Strength through Global Networks of the Women Scientists and Engineers

11h:30- Hamadou Saliah-Hassane, Massive Open OOnline Laboratories for Education Needs a Sound Standardization Process

68. Masahiro Inoue, Tomoko Maruyama and Hiroko Nagaya. Project Management Education Embedded in Engineering Education and Research for Fostering Generic Skills

53. Victor Manuel Martinez Molina, Eusebio Jimenez Lopez, Helga Karina Tolano Gutiérrez, Yadira Beltrán Márquez, Tadeo Portelas Peñúñuri, Laura Olivia Amavizca Valdez, Gabriel Luna Sandoval and Luis Reyes Ávila. INNOVATION PROCESSES EXPERIENCES AND TECHNOLOGY TRANSFER IN UTS: THE CASE OF CINNTRA

149. Ahlem Harchay, Lilia Cheniti Belcadhi and Rafik Braham. Retrieval and Personalization of Mobile Assessment in the Semantic Web

45. Jongwon Jung and Cheol-Keun Ha. Implications of Activity System Analysis for Developing Successful Long-Term Internship Program

11h50- Amine Berqia, Impact of Massive Open Online Laboratories in Maghreb and Meddle East Region

176. Ali Eydgahi and Mohmmadjafar Esmaceli. An

93. Juhyun Jeon, Lee Jaeung and Namil Kim. A Study on Satisfaction

266. Elena Trotskovsky, Nissim Sabag, Shlomo Waks and Orit

57. Hak-Jin Kim and Young-Wook Kim. Effect of

12h00- Jim Henry, Using Online

Evaluation Model for Project Based Active Learning in an Engineering Technology Freshman Course	of New Employee Training Program In Regional Campus Network Applying CIPP Evaluation Model Focusing on D Corporation	Hazzan. Students' Misunderstandings in Project Design Activities in Electronics	Engineering Education Accreditation on Employment Rates at the University of Seoul	Experiments and Mobile User Interface Design
---	--	---	--	--

259. Vojislav Ilic. Coming to Grips with Online Education

283. Yuko Hoshino and L Wayne Sanders. Becoming Competent and Responsible Members for Global Communities: Challenges and Resolutions

120. Bennett Alexander. A Collaborative University of Technology and Further Education and Training Curriculum Development Project

12h10- Mohamed Mhamdi, Research on Online Laboratories in Tunisia

12h20- Amadou Dahirou Gueye, Security in Education and Research Virtual Organizations

12h30- Ahmed Sebbar Alaoui, Cloud Systems and Online Laboratories

12h40- Mahieddine Mohammed, Modeling Intelligent Agents in J2ME

12h50- Denis Gillet, Interfacing online labs through OpenSocial Apps

13h00- Denis Gillet(Chair), Round table

13h30- Closing

13h00

Lunch

15h00-17h00

**Full Paper Sessions**

***Distance Education: Methods, technologies, and assessment***

***Accreditation and Quality Assurance in Engineering Education in Africa***

***Laboratory experiences: on-site, online; at home and mobile labs***

***Outreach Engineering Education Programs***

***Distance Education: Methods, technologies, and assessment***

78. Mohammed Chekour, Mohammed Al Achhab and Mohamed Laafou. Blended learning: New approach to teaching computer science in Moroccan high schools

15. Abdulaziz Alrowaih. Enhancing Quality of Vocational Training Outcome to satisfy the labor market demands in Kuwait by using Quality Function Deployment Method (QFD)

141. Marcos Borges, Daiane Rampinelli and Vitor Mainenti. Engineering design graphics experiences in the context of actual Brazilian engineering curriculum's.

129. Riitta Windahl, Tero Reunanen, Sirpa Niittymäki and Tuomas Valve. Professional Key Competence Evaluation and Development in Modern Engineering Education

17. Olli Mäkinen. Mediation in e-learning Environments

92. Hanane Barramou, Thierry Condamines, Benabbou Rachid and Dominique Groux-Leclet. Similarity measure between teachers profiles in an online Community of Practice for knowledge sharing and professional training

30. Ibibia Dabipi, J. Bryan Burrows-Mcelwain and Christopher Hartman. Integrating Reverse Engineering Concepts into the Freshman Engineering Course: The Ultra-light Aircraft Experiment

156. Essalmi Adil and Mahmoudi Hassan. NEURO GENETIC VECTOR CONTROL OF PERMANENT MAGNET SYNCHRONOUS MOTOR BASED ON SPACE VECTOR MODULATION

131. Lise Busk Kofoed and Marian Stachowicz. The Challenges of Interdisciplinary Engineering Educations

46. Uldis Sukovskis and Larissa Zaitseva. Web-environment for engineering education

130. Sara Ibn El Ahrache, Yassine Tabaa, Badir Hassan and Abdellatif Medouri. MOOCs (Massive Open Online Courses): a new dawn for higher education?

185. Willie Ofori. University Accreditation Matters In Developing Nations

186. Dan Li. Enhancing the Teaching of Relational Database Systems Course with Cooperative Learning Approach

159. Jihane Kojmane, Amine Rachdi and Ahmed Aboutajeddine. Mindstorms Based Engineering

204. Rachid El Ouahbi, Driss Bouzidi and Driss El Ouadghiri. A new Approach to tracking learner's progress based on hierarchical graphs

190. Glauca Mello, Elizabeth Maia and Jose Marcio Calixto. A Teaching Aid Website for Reinforced Concrete Design Courses

285. Venkata Ramayya Ancha. Collaborative Meta-Profile Development using the Tuning Methodology to Harmonise Mechanical Engineering Education in Africa

236. Ahmed Naddami, Ahmed Fahli, Karim Choukri and Mohammed Moussetad. Creating on line leading University laboratories

223. Naveed Ahmed and Asaf Varol. Ingredients for change

256. Jean-Jacques Charlot, Larbi Selmani, Samir Akrouf, Djamel Boubetra and Abdelhak Boubetra. Study and Utilization of Simulators Associated to Remote Characterization of Circuits and Systems

17h00

Coffee Break

Poster Sessions

206. Khalid Mahdi, Mohammed Chekour and Mohamed Laafou. Distance training for teachers in sciences education: flexible, efficient and low cost solution

281. Jbari Atman. Simulation Blocks for Education of Digital Signal Processing

229. Hasnae Rahimi and Hanan El Bakkali. Security and Trust management in E-learning Systems.

98. Kazuya Takemata, Akiyuki Minamide, Arihiro Kodaka and Sumio Nakamura. Creative Design and Manufacturing Education Based on the CDIO Process: Regional Activities for Understanding of Science and Technology

87. Chaymae El Aroussi, Nouredine El Faddouli, Samir Bennani and Mohammed Khalidi Idrissi. Cloud computing in E-Learning

207. Rachid Menaoui, Lahsen Boulmane and Hussain Benazza. Restful web services to operationalize pedagogical scenarios and allow m-learning in Moodle

133. Sergey Ivzhenko. DISTANCE EDUCATION EFFICIENCY FOR DISABLED PERSONS

97. Benjelloun Touimi Yassine and Faddouli Nourrdine. A modelling language for project based learning

103. Akiyuki Minamide, Kazuya Takemata, Arihiro Kodaka and Hirofumi Yamada. Fabrication of Mobile 3D Projection System through CDIO Approach

269. Mouhib Ibtihal, El Ouadghiri Driss, Zerrick Safae and Jamali Abdellah. The current situation and perspectives of the Cloud Computing in Morocco

59. Josef Rojter. The Vital Link: The Essentiality Of Engineering Materials Education In Professional Engineering Discourses

151. Lachker Yousra. Feedback in E-learning

55. Omar El Ouidadi, Abdellatif Lakdim, Khadija Essafi, Khalid Sendide and Eric Depiereux. What use of information and communication technologies (ICT) in teaching? Survey of Moroccan Teachers

260. Dong Sik Jang. Introducing Activities of Korea University Innovation Hub Center for Engineerin Education

136. Mohammed FIHRI, Mohamed OTMANI, Abdellah EZZATI and Abderrahim Beni Hssane, The impact of Black-Hole attack on AODV protocol.

222. Asaf Varol and Naveed Ahmed. Social Networking as a Tool for Distance Learning

276. Faddoul Khoukhi and Hassan El Kiss. On modeling traces in a Computing Environment for Human Learning based indicators

213. B Piore. On-Line Courses: Student Use of Blackboard-Based Auxiliary Resources and Performance on On-Line Exams

22. Amadou Kane, Issa Diagne, Cheikh Tidiane Sall and Grégoire Sissokho. Creation of regional centers of excellence for training

305. Fatima Ou-mellal and Abdelkrim Haqiq. Performance Analysis of Cloud Computing Centers Using MMPP/G/m/m+r Queuing System

270. Aziz Boujeddaine, Mohammed Khalidi Idrissi and Samir Bennani. Towards a merger model between knowledge management and e-learning

224. Sayouri Nabila. Towards an adaptive e-learning: the case of e-learning to learn to read

32. Mohamed Taib Mohtadi, Allali Hakim and Hajami Abdelmajid. Metacognitive scaffolding in interactive learning environments

238. Ousmane Moussa Tessa, Abdelkader Kadir Galy and Aminata Amadou Garba. Issues and challenges in the development of a National Research and Education Network in West Africa: the case of Niger

20h00

**Gala Dinner & Awards  
(Departure from the hotel)**

### Wednesday July 3

8h30

Registration

9h00

**Keynote IV**

**Afreen Siddiqi**

10h30

Coffee break

11h00-13h00

#### Full Paper Sessions

***Distance Education:  
Methods, technologies, and  
assessment***

***Science Technology and  
Mathematics Education***

***Partnerships and  
Stakeholders***

***Student Learning  
Assessment***

***Advance Research on Next  
Generation Networks and  
Services***

90. Hanjo Lim, Young D Park and Jaisuk Yoo. Higher Education System for the Engineering Students in South Korea

75. Vladimir Salin, Sergey Papshev and Alexander Sytnik. Mathematical Methods of Educational Web Sites Re-engineering and Semantic Optimization

104. Riitta Windahl, Tero Reunanen and Juha Valtanen. Innovation Policy Explored Using Evolutionary Concepts – Case Finnish Maritime Industry

81. Barry Benedict. Assessment of Student Learning in Project-Based Learning Courses

51. Ibrahima Ngom, Hamadou Saliah-Hassane, Claude Lishou and Samuel Ouya. Control of Mobility for a New Generation of Mobile Laboratory

119. Arne Gjengedal. Practical work in the engineering education at the University of Troms

100. Luis M. Sanchez Ruiz, Santiago Moll, José-A. Morano and M.-D. Roselló. Maths performance in a BEng Aerospace Engineering programme meant for outstanding students

118. Bennett Alexander. Design of a Socio-technical Change Management Process: A Critical Realist Perspective

175. Yemi Akegbejo-Samsons and Olusola Oyewole. Teaching, learning and assessment of learning outcomes of degree programmes: Tuning Approach to Aquaculture and Fisheries study Programme in Nigeria

142. Ibrahima Ngom, Hamadou Saliah-Hassane, Claude Lishou and Samuel Ouya. Hypervisor of Wireless Gateways/Interfaces for Mobility and Multihoming of a New Generation of Mobile Laboratory

181. Johann van Reenen and Kevin Comerford. Creating a pipeline to engineering for women through an

158. Jennifer Czoher and Azita Manouchehri. Mathematical

137. Viviana Harari, Ivana Harari and F.Javier Diaz. University project: The

198. Jae-Won Song and Duk-Gyoo Kim. Freshman Creative Robot Design, Implementation

239. Oumarou Halidou, Ibrahima Arouna, Radouane Mrabet and Hamadou Saliah Hassane. A

interdisciplinary data-driven and cyber-infrastructure enabled course  
 Modelling or Applications?  
 marginalizing neighborhood goes to University  
 and Contest: KANGNAM STYLE Dancing Robot  
 WiMAX Mobile Inter-university Network for Education and Research

250. Sukhmander Singh. Impact of IT Tools on the Engineering Education  
 171. El Janati El Idrissi Aziz, Zahid Nouredine and Jedra Mohamed. A comparative study of the performance of artificial intelligence on PMSM drive  
 163. Hyun Joung No, Sung-Gul Hong, Seung-Yeop Kwak and Shin Hyung Rhee. Globalizing Engineering Education: The Classification of Curriculum Internationalization  
 233. Victoria E. Ramirez V.. Research in the undergraduate studies General Science in the PUCP  
 306. Abdelali EL BOUCHTI and Abdelkrim HAQIQ. Performance Analysis of SFR Scheme in Long-Term Evolution-Advanced based MMPP Process

13h00

Lunch

15h00

**OURIKA VISIT**  
**(Departure from the hotel)**

**Thursday July 4**

8h30

Registration

9h00

**Keynote V**

**Falade Funso Alphonsus**

10h30

Coffee break

11h00-13h00

**Full Paper Sessions**

**Distance Education:  
 Methods, technologies, and  
 assessment**

**Smart Learning and Research  
 in Mobile and Social Age**

**Partnerships and  
 Stakeholders**

**Energy, Mine,  
 Biotechnology,  
 Biotechnology,  
 Environment and  
 Transportation Innovative  
 Education and Research**

**Mobile, Embedded and  
 Cloud Computing  
 Technologies in Education  
 and Research**

44. Pritpal Singh. Creating Service Learning Opportunities for Electrical and Computer Engineering Students

43. Saloua Bensiali and Rachida Ajhoun. ACCESSIm-ON : A fuzzy ontology for the visual pedagogical resources

29. A. Semra Ulku. ENGINEERING EDUCATION FOR SUSTAINABLE DEVELOPMENT and IZMIR INSTITUTE OF TECHNOLOGY Semra Ulku Former Rector, Izmir Institute of Technology, Turkey

182. Abderrahim Beni Hssane, Said Benkiran, Moulay Lahcen Hasnaoui, Mostafa Saadi and Abdellah Ezzati. Energy Consumption and Energy Dissipation Models in Wireless Sensor Networks

82. Ouiame Filali Marzouki, Mohammed Khalidi Idrissi and Samir Bennani. Mobile Learning for a new educational system

268. Dorothy Cooshna-Naik and Fardeen Khan Jamalkhan. Impact of Learner Generated Digital Content On Knowledge Acquisition And Representation

84. Salma Gaou and Kamal Eddine ElKadiri. A mediator for interoperability between different information systems

201. Ibrahim Saliah Hassane and ElJean-Luc Marcellin. An NGO Approach of Information Technology and Communication in Education Implementation in Niger

294. Aleksandr Petrovitsh kartoshkin and Mohamed Ali Affene. Post-graduate Qualification Improvement Agro-engineers on The Problems of Technical Ecology

199. Yuriy Tryus and Tamara Kachala. Innovative educational technologies in training of IT professionals in the Technical Universities of Ukraine



282. Lilia Cheniti Belcadhi and Sonia Ayachi Ghannouchi. A Meta-Model for Active E-Learning
126. Hajar Iguer, Hicham Medromi, Adil Sayouti and Saadia Talal. A new architecture multi-agents system based combining EBIOS and ISO 27001 in IT risk management
277. Aicha Tounsi, Hicham Medromi, Adil Sayouti and Sophia Faris. Multi-agents systems: Application to the governance of information systems
271. Abdelaziz Khiyaita and Zbakh Mostapha. Mean field game among cloud computing end users

245. Abdellah Touhafi. Design and Implementation of a Novel Emotions-based Model to Describe Electronic Circuits behavior in a Hedonics Way

191. Soukaina Elhasnaoui, Hicham Medromi and Adil Sayouti. Multi-agents modeling platform for IT governance based on ITIL

13h00

Lunch

15h00-17h00

**Full Paper Sessions**

***Distance Education: Methods, technologies, and assessment***

***Accreditation and Quality Assurance in Engineering Education in Africa***

***Outreach Engineering Education Programs***

***Advance Research on Next Generation Networks and Services***

***Mobile, Embedded and Cloud Computing Technologies in Education and Research***

24. Olga Dolimina. Business Cradle as Innovative Method of Giving Entrepreneurship Skills for Students

64. Léonard Kabeya Mukeba Yakasham. Metaprofile introduction to a new vision in mechanical engineering education of Subsaharian Africa

172. David Lou. A Functional Partnership Degree Program in China

19. Roger Marcellin Faye, Agbété Bricos Ahoosi and Ahmed Dooguy Kora. MIMO blind channel estimation based on geometric approach of sources separation

6. Issoufou Tiado Mahamadou and Saliha-Hassane Hamadou. Cloud-Computing based architecture for the advent of a New Generation of Digital Open Universities in m-learning

114. Karmela Aleksic-Maslac, Tihana Djuras and Djuro Njavro. Correlation between online course quality and student activity on the courses

261. Joseph Arumala, Ibibia Dabipi and Monima Briggs. Challenges and Demands of Engineering Education in Africa

196. Cecelia Wright Brown, Kevin Peters, Kofi Nyarko, Peter Ezekwenna and Alland Leandre. A Model Program to Create International Science, Technology, Engineering and Mathematics (STEM) Initiatives (ISTEMIA)

86. Lamyaa Moulad, Hicham Belhadaoui, Mounir Rifi and Reda Filali. Towards improving the security of a WSN based power management in the context of the QOS

99. Mohamed Mhamdi, Hamadou Saliha-Hassane and Rafik Braham. Expressed in UML4ODP: an Engineering Specification of a Distributed Environment for Teaching Embedded Systems.

134. Rachid Belmeskine, Ahlame Begdouri and Dominique Groux-Leclat. Architecture for the "Adaptation of Interactions" layer in the CCE-MAETIC (Community Computing Environment support of the MAETIC community of Practice)

288. Gurdeep Hura. ABET Accreditation Process of Undergraduate degree in Computer Science

110. Said Ben Alla, Abdellah Ezzati and Ahmed Mohsen. Cross-Layer Throughput Optimization for Integrating Wireless Sensor Networks into the Internet of Things

144. Khalil El Mahdi, Saad En Niari and Mostapha Zbakh. Cloud Computing Architectures Based Multi-Tenant IDS

17h30

**Marrakesh Visit  
(Departure from the hotel)**

**Friday July 5**

8h30

Registration

9h00

**Keynote VI**

**Driss Benhaddou**

10h30

**iCEER2013 Closing Session**

**iNEER Secretary General Win Aung (USA)**

**ICEE-ICIT 2013 B. Alexander (So. Africa)**

13h00

Lunch

Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
Conference Website: <http://iceer2013.labader.org>

International Conference on Engineering Education and Research 2013

# iCEER 2013

Marrakesh, July 1st – 5th

www.iceer2013.labader.org

HOME   GUEST SPEAKERS   WORKSHOPS   SPECIAL SESSIONS   VENUE   PROGRAM   **EVENTS**   REGISTRATION   COMMITTEES

### Optional excursions for iCEER2013 participants

Please send your bookings to:

ILYA TOURS for Tourism & Travel  
 24, Avenue d'Alger, N° 2. Hassan 10010 – Rabat Morocco  
 Phone: 0021263484982 / 00212537763215/ 00212537769277  
 Fax: 00212 537 660981  
 E-mail: [ilyatours@menara.ma](mailto:ilyatours@menara.ma) or [ilyatours1@hotmail.fr](mailto:ilyatours1@hotmail.fr)

before the beginning of the conference. If there will be some available places those might be booked at the conference.

Minimum number of people in each of the excursions is 12. If they are less booked people from 12 before the conference the excursion must be cancelled.

### Asni – Ouirgane Excursion

At more than one hour from Marrakech, the Valley of Asni stands against the whiteness of the highest peak of the Atlas. It deploys the beauty and the purity of a nature still with a big untouched part and offers a good peace for the mind after the tumult of the red city. To attain this place, we will cross some wonderful views that have an infinite nuance. We will imagine the comfort of our vehicle, the life style that the citizens had in the past not so far.

The military roads, the Douars at a flank of Collins or the shepherds leading their sheep are a call to the constant reality of time. The arrival to Asni tends to stop this contemplation.

As we go south to Asni, we'll run alongside a big stag and mouflon reserve and reach the Ouirgane basin and its salt marsh which stands in an almost alpine landscape. At an altitude of 1000 meters this locality is buried in lush green landscape and is a nice and freshening rest point. This privileged stop is also the starting point of many horse and mule treks to the Berber mountains and typical villages.

We suggest either a hike or mule-trekking with a meal as a paying guest on the way.

Minimum: 12 persons

Services: Including: transport 4x4 from/to Marrakech, lunch, guide

### **Essaouira Excursion**

Essaouira is known as Mogador to European sailors and traders. it is a city that reminds us of the time in which Spain, Portugal and England were beaten to keep control of their coasts. The city has many things to offer for visitors; the typical harbour with lively examples of Moorish and Portuguese art. Essaouira is known for Thuya wood workshops, the souks, the harbour, the islands and the museums of Sidi Mohammed Ben Abd Allah. Typical Portuguese harbor, Famous for local wood handicrafts and Argan oil.

Minimum: 12 persons

Services: Including: transport from/to Essaouira, lunch, guide-city Tours-monuments entrance fees

### **WONDERS OF THE HIGH ATLAS BERBER VILLAGES ESCAPE BY 4X4**

Departure towards the valley of Asni through the High Atlas

Mountains, en route visit the Berber weekly souk. Stop in the small village of Moulay Brahim ( place of daily pilgrimage).

Track will take you to another typical Berbere Douar Taddart. Where You will be prompted by a Berber family for a mint tea ceremony .

We Proceed to the famous plate "kick" across an amazing landscapes till we arrive to the kasbah Tifriouine.

Berber Lunch will be served under Nomad tents. Relaxing time to admire the beauty of the place till moving to the dam Lalla Takerkouste for a different experience then back to Marrakech by road.

Price 55 Euro or 75 \$

One Day Tour Berber Villages Morocco

Minimum: 12 persons

Duration: 09:00 am to 05:pm

Morocco Travel: 4X4

English, French Speaking Driver, Guide

Starting & Finishing Point: Your Hotel In Marrakech

### **Valley Ourika Excursion**

Take a day off from the city heat to escape southeast of Marrakech. Travel in an air-conditioned/ heated minivan and visit the Souk Tnine de L'ourika, the gateway to the pleasant Ourika Valley. En route we will stop at an Argan Cooperative where you a witness women cultivating the Argan nut to make Argan oil, Argan butter, and cosmetic products. The cooperative is run by women and a free tasting of the Argan products in the Ourika Valley Argan Cooperative is also offered.

The souk, located near a picturesque zaouia with a rock drop background, has the largest souk of the valley every Monday. Your driver will stop and browse at local crafts and other Moroccan treasures.

The next forty miles of road will be filled with gardens, land cultivated by palm tree plantations and fruit trees, tiny hamlets, summer homes, and cafes and restaurants where it is possible to have lunch in a traditional auberge or if you prefer something more key, a picnic facing the snow capped mountain and overlooking the Ourika River.

Moving through the valley we will visit Setti Fatma, a favorite weekend resort of many Marrakshis that is appreciated for its beautiful streams and waterfalls. We will visit the famous tomb of Setti Fatma. During the middle of August an exciting four day festival takes place over the tomb.

After the tomb, we will drive around the valley enjoying views of high green terraces, surrounding Atlas peaks, rocky village foothills and the seven waterfalls that surround the village.

Price 20 Euro

Half Day Tour Ourika Valley Morocco

Minimum: 12 persons

Duration: 09:00 am to 02:pm or 2:00pm – 7:00pm

Morocco Travel: In Minivan

English, French Speaking Driver, Guide

Starting & Finishing Point: Your Hotel In Marrakech

Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
Conference Website: <http://iceer2013.labader.org>

# International Conference on Engineering Education and Research 2013

# iCEER 2013

Marrakesh, July 1st – 5th



[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

[HOME](#)   [GUEST SPEAKERS](#)   [WORKSHOPS](#)   [SPECIAL SESSIONS](#)   [VENUE](#)   [PROGRAM](#)   [EVENTS](#)   [REGISTRATION](#)   [COMMITTEES](#)

## Registration

**FEES:** [http://iceer2013.labader.org/?page\\_id=489](http://iceer2013.labader.org/?page_id=489)

For more details, please read the info below:

Your participation in iCEER-2013 involves two simple steps: (1) Registration on the iCEER-2013 website using EasyChair Conference Management System, and (2) Payment of registration including lodging on the iNEER Payment Page:

Via the iNEER Payment System:

(1) Link to the iCEER-2013 EasyChair link:

<https://www.easychair.org/conferences/?conf=iceer2013>

(please click)

(2) Link to the iNEER fee payment system:

<http://www.ineer.org/iCEER2013payment/paymentpage.asp>

Completing steps (1) and (2) by 30 April 2013 entitles you to get a free book: 2013 iNEER Special Volume: INNOVATIONS 2013 – WORLD INNOVATIONS IN ENGINEERING EDUCATION AND RESEARCH

To know more about this book series (2002-2012), link to iNEER Publication Page:

<http://www.ineer.org/INEERPapers/Welcome.htm> where you are also invited to submit a Book Chapter.

**The registration fees are collected by iNEER on behalf of iCEER 2013.**

### Registration Fee Includes

- Conference registration and admission to all technical sessions at the conference facility of the Ryad Mogador Agdal Hotel
- Coffee and refreshment breaks at the conference facility
- Lunches for 1, 2, 3, 4 and 5 July at the conference facility
- Gala Dinner and sightseeing of Marrakech city (bus and English guide included)
- Program book
- One copy of the conference proceedings on a USB stick/flash memory
- 5 nights in the hotel (30 June and 1, 2, 3, 4 July 2013) with breakfast in the shown type of room (Single room or shared double room – if shared room is selected the registrant must send the name of the other sharing room registrant to the organizers)
- If fewer than 5 nights lodging are required, a lodging discount of EUR 70 per night will be credited as shown in the fee schedule above

### Accompanying Person Fee Includes (in conjunction with a Single Room Registration)

- Coffee and refreshment breaks at the conference facility



## Important dates

- 31 March 2013:** Full Paper Submission
- 20 April 2013:** Final Acceptance Notification
- 30 April 2013:** Registration fee payment to guarantee receiving a copy of *Innovations 2013*
- 01 May 2013:** Camera Ready Submission
- 05 May 2013:** Early registration and Fee payment Deadline
- 15 May 2013:** at least one of the authors has registered to the conference and paid the registration fee by 15 May 2013 publication to guarantee including the paper in the electronic iCEER 2013 Proceedings
- 01 June 2013:** Deadline to cancel registration fee payment (50% of fees refunded)
- 30 June 2013:** Deadline for Late Registration (No On-site Registration Accepted)
- 1st – 5th July 2013:** Conference days

**SUPPORTED BY**

- Lunches for 1, 2, 3, 4 and 5 July at the conference facility
- Gala Dinner and sightseeing of Marrakech city (bus and English guide included)
- Program book
- 5 nights in the hotel (30 June and 1, 2, 3, 4 July 2013) with breakfast

#### Student Registration (without hotel room) Fee Includes

- Conference registration and admission to all technical sessions at the conference facility of the Ryad Mogador Agdal Hotel
- Coffee and refreshment breaks at the conference facility

#### Please register via the Conference Fee Payment

Link: <http://www.ineer.org/iCEER2013payment/paymentpage.asp>

#### The Conference Fee Payment Link permits to:

- Register as user
- Register as conference participant
- Print out your invoice
- Make your payment
- Print out your receipt



Association for the  
Development  
of Education  
in Africa



جامعة مولاي إسماعيل  
UNIVERSITÉ MOULAY ISMAÏL



جامعة الحسن الأول  
UNIVERSITÉ HASSAN I<sup>er</sup>



Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
Conference Website: <http://iceer2013.labader.org>

International Conference on Engineering Education and Research 2013

# ICEER 2013

Marrakesh, July 1st – 5th



International Network for Engineering Education & Research  
**INEER**

[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

[HOME](#) [GUEST SPEAKERS](#) [WORKSHOPS](#) [SPECIAL SESSIONS](#) [VENUE](#) [PROGRAM](#) [EVENTS](#) [REGISTRATION](#) [COMMITTEES](#)

## ICEER 2013 Committees

### Honorary Chairs

- Dr. Redouane Mrabet**, President, Université Mohamed V Soussi (Morocco)  
**Dr. Ahmed Lebrihi**, President, Université Moulay Ismail, Meknès (Morocco)  
**Dr. Essaïdi Mohammed**, Head of École Nationale Supérieure d'Informatique et d'Analyse de Systèmes (ENSIAS) (Morocco)  
**Dr. Ahmed Nejmeddine**, President Université Hassan 1st (Morocco)

### General Chairs:

- Dr. Hamadou Saliah-Hassane TELUQ**, Université du Québec (Canada)  
**Dr. Amine Berqia** ENSIAS, Université Mohamed V Soussi (Morocco)

### International Advisory Committee

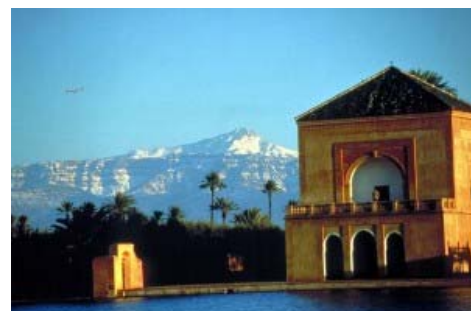
- Dr. Luis Manuel Sanchez Ruiz**, Universitat Politecnica de Valencia (Spain)  
**Dr. Oumar Sock**, Past-President Conférence Internationale des Formations d'Ingénieurs et de Techniciens d'Expression Française (CITEF) (Senegal)  
**Dr. Janne Roslof**, Turku University of Applied Sciences (Finland)  
**Dr. Funso Falade**, African Engineering Education Association & University of Lagos (Nigeria)  
**Dr. James Uhomobhi**, University of Ulster (UK)  
**Dr. Indur Fagoonee**, International Sustainable Performance Institute (ISPI) (Mauritius)  
**Dr. Igor Pleve**, Saratov State Technical University (Russia)  
**Dr. Kwang Sun Kim**, Korea University Of Technology And Education (Korea)  
**Dr. Hong-Sen Yan**, National Cheng Kung University (Taiwan)  
**Dr. Henri Motcho**, Rector, Université de Zinder (Niger)  
**Dr. Ahmed Fahli**, University Hassan 1st (Morocco)  
**Dr. Rachida Ajhoun**, ENSIAS (Morocco)

### International Steering Committee Chairs:

- Chair: **Dr. Abdelkrim Haqiq**, Faculté des Sciences et Techniques de Settat (FSTS) (Morocco)  
Co-Chair: **Dr. Mohamed Chouikha**, Howard University, (USA)  
Co-Chair: **Dr. Driss Bouzidi**, Faculté des Sciences Ain Chock, Université Hassan II (Morocco)  
Co-Chair: **Dr. Emmanuel Glakpe**, Howard University (USA)

### International Steering Committee Members

- Dr. Radim Farana**, VSB-Technical University of Ostrava (Czech Republic)  
**Dr. Driss El Ouadghiri**, Université Moulay Ismail (Morocco)  
**Dr. Ibibia K. Dabipi**, University of Maryland Eastern Shore (USA)  
**Dr. Mohamed Mhamdi**, Institut Supérieur d'Informatique et de Technique de Communication (Tunisia)  
**Dr. Abdellah Touhafi**, Vrije Universiteit Brussel (Belgium)



## Important dates

[15 February 2013: Abstract Submission](#)

[02 March 2013: Abstract Acceptance Notification](#)

[31 March 2013: Full Paper Submission](#)

[20 April 2013: Final Acceptance Notification](#)

[01 May 2013: Camera Ready Submission](#)

[1st – 5th July 2013: Conference days](#)

### SUPPORTED BY





**Dr. Hamdjatou Kane**, Université. du Québec en Outaouais (Canada)  
**Dr. Roger Marcelin Faye**, École supérieure polytechnique (Senegal)  
**Dr. Amadou Saidou H. Maiga**, Université Gaston Berger (Senegal)  
**Dr. Oumar Dioume**, École polytechnique de Thiès, (Senegal)  
**Dr. Mahamadou Issoufou Tiado**, Université Abdou Moumouni (Niger)  
**Dr. Djibo Karimou**, Université Abdou Moumouni (Niger)  
**Dr. Willie K Ofosu**, Pen State Wilkes-Barre (USA)  
**Dr. Tuohi Raija**, Turku University of Applied Sciences (Finland)  
**Dr. Fidèle Moupfouma**, (Bombardier Aerospace, (Canada)  
**Dr. Clara Amelia de Olivera**, Santa Catarina Federal University ( Brazil)  
**Dr. Catherine Skokan**, Colorado School of Mines (USA)  
**Dr. Gajanan M. Sabnis**, Howard University & Sabnis, Inc (USA & INDIA)  
**Dr. Mohan Khedkar**, Amravati University, (INDIA)  
**Dr. R. Natarajan**, ITT Madra & AICTE, (INDIA)  
**Dr. Emmanuel Glakpe**, Howard University (USA)  
**Dr. Peter Bofa**, Howard University (USA)  
**Dr. Young-Wook Kim**, University of Seoul, (Korea)  
**Dr. Cheol-Keun Ha**, University of Ulsan (Korea)  
**Dr. Hussain Ahmad**, University of West Indies, Mona (Jamaïca)  
**Dr. Eduardo Montero Garcias**, University of Burgos (Spain)  
**Dr. HE Lingsong**, Huazhong University of Science and Technology (China)  
**Dr. Rosetta Ziegler** Cape Peninsula University of Technology (South Africa)  
**Dr. Ousseina Alidou**, Rutgers University (USA)  
**Dr. Karmela Aleksis-Masla**, Zagreb School of Economics and Management (Croatia)  
**Dr. Bogdan Deaky**, Transilvania University of Brasov (Romania)  
**Dr. Domenico Ponta**, University of Genoa (Italy)  
**Dr. Frode Eika Sandnes**, Oslo and Akershus University College of Applied Sciences (Norway)  
**Dr. Olga Dolinina**, Saratov State Technical University (Russia)  
**Dr. Zeinabou Mindaoudou**, Université Abdou Moumouni Dioffo (Niger)  
**Dr. Rafik Braham**, Research Unit PRINCE, ISITCom of Hammam Sousse (Tunisia)  
**Dr. Cecelia Wright Brown**, University of Baltimore (USA)

African Diaspora for iCEER 2013

Chair: **Dr. Ibibia K. Dabipi**, University of Maryland Eastern Shore (USA)

### [Technical Program Committee](#)



Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
 Conference Website: <http://iceer2013.labader.org>

International Conference on Engineering Education and Research 2013

# ICEER 2013

Marrakesh, July 1st – 5th



International Network for Engineering Education & Research  
**INEER**

[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

[HOME](#) [GUEST SPEAKERS](#) [WORKSHOPS](#) [SPECIAL SESSIONS](#) [VENUE](#) [PROGRAM](#) [EVENTS](#) [REGISTRATION](#) [COMMITTEES](#)

## ICEER 2013 Committees

### Honorary Chairs

- Dr. Redouane Mrabet**, President, Université Mohamed V Soussi (Morocco)  
**Dr. Ahmed Lebrihi**, President, Université Moulay Ismail, Meknès (Morocco)  
**Dr. Essaïdi Mohammed**, Head of École Nationale Supérieure d'Informatique et d'Analyse de Systèmes (ENSIAS) (Morocco)  
**Dr. Ahmed Nejmeddine**, President Université Hassan 1st (Morocco)

### General Chairs:

- Dr. Hamadou Saliah-Hassane TELUQ**, Université du Quebec (Canada)  
**Dr. Amine Berqia** ENSIAS, Université Mohamed V Soussi (Morocco)

### International Advisory Committee

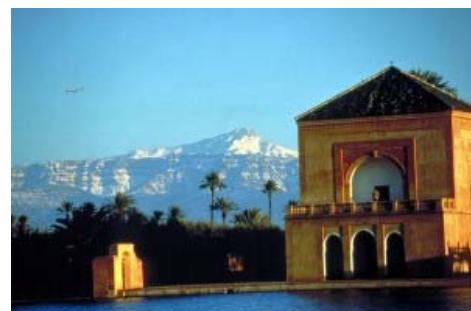
- Dr. Luis Manuel Sanchez Ruiz**, Universitat Politecnica de Valencia (Spain)  
**Dr. Oumar Sock**, Past-President Conférence Internationale des Formations d'Ingénieurs et de Techniciens d'Expression Française (CITEF) (Senegal)  
**Dr. Janne Roslof**, Turku University of Applied Sciences (Finland)  
**Dr. Funso Falade**, African Engineering Education Association & University of Lagos (Nigeria)  
**Dr. James Uhomobhi**, University of Ulster (UK)  
**Dr. Indur Fagoonee**, International Sustainable Performance Institute (ISPI) (Mauritius)  
**Dr. Igor Pleve**, Saratov State Technical University (Russia)  
**Dr. Kwang Sun Kim**, Korea University Of Technology And Education (Korea)  
**Dr. Hong-Sen Yan**, National Cheng Kung University (Taiwan)  
**Dr. Henri Motcho**, Rector, Université de Zinder (Niger)  
**Dr. Ahmed Fahli**, University Hassan 1st (Morocco)  
**Dr. Rachida Ajhoun**, ENSIAS (Morocco)

### International Steering Committee Chairs:

- Chair: **Dr. Abdelkrim Haqiq**, Faculté des Sciences et Techniques de Settat (FSTS) (Morocco)  
Co-Chair: **Dr. Mohamed Chouikha**, Howard University, (USA)  
Co-Chair: **Dr. Driss Bouzidi**, Faculté des Sciences Ain Chock, Université Hassan II (Morocco)  
Co-Chair: **Dr. Emmanuel Glakpe**, Howard University (USA)

### International Steering Committee Members

- Dr. Radim Farana**, VSB-Technical University of Ostrava (Czech Republic)  
**Dr. Driss El Ouadghiri**, Université Moulay Ismail (Morocco)  
**Dr. Ibibia K. Dabipi**, University of Maryland Eastern Shore (USA)  
**Dr. Mohamed Mhamdi**, Institut Supérieur d'Informatique et de Technique de Communication (Tunisia)  
**Dr. Abdellah Touhafi**, Vrije Universiteit Brussel (Belgium)



## Important dates

[15 February 2013: Abstract Submission](#)

[02 March 2013: Abstract Acceptance Notification](#)

[31 March 2013: Full Paper Submission](#)

[20 April 2013: Final Acceptance Notification](#)

[01 May 2013: Camera Ready Submission](#)

[1st – 5th July 2013: Conference days](#)

### SUPPORTED BY



**Dr. Hamdjatou Kane**, Université. du Québec en Outaouais (Canada)  
**Dr. Roger Marcelin Faye**, École supérieure polytechnique (Senegal)  
**Dr. Amadou Saidou H. Maiga**, Université Gaston Berger (Senegal)  
**Dr. Oumar Dioume**, École polytechnique de Thiès, (Senegal)  
**Dr. Mahamadou Issoufou Tiado**, Université Abdou Moumouni (Niger)  
**Dr. Djibo Karimou**, Université Abdou Moumouni (Niger)  
**Dr. Willie K Ofofu**, Pen State Wilkes-Barre (USA)  
**Dr. Tuohi Raija**, Turku University of Applied Sciences (Finland)  
**Dr. Fidèle Moupfouma**, (Bombardier Aerospace, (Canada)  
**Dr. Clara Amelia de Olivera**, Santa Catarina Federal University ( Brazil)  
**Dr. Catherine Skokan**, Colorado School of Mines (USA)  
**Dr. Gajanan M. Sabnis**, Howard University & Sabnis, Inc (USA & INDIA)  
**Dr. Mohan Khedkar**, Amravati University, (INDIA)  
**Dr. R. Natarajan**, ITT Madra & AICTE, (INDIA)  
**Dr. Emmanuel Glakpe**, Howard University (USA)  
**Dr. Peter Bofa**, Howard University (USA)  
**Dr. Young-Wook Kim**, University of Seoul, (Korea)  
**Dr. Cheol-Keun Ha**, University of Ulsan (Korea)  
**Dr. Hussain Ahmad**, University of West Indies, Mona (Jamaïca)  
**Dr. Eduardo Montero Garcias**, University of Burgos (Spain)  
**Dr. HE Lingsong**, Huazhong University of Science and Technology (China)  
**Dr. Rosetta Ziegler** Cape Peninsula University of Technology (South Africa)  
**Dr. Ousseina Alidou**, Rutgers University (USA)  
**Dr. Karmela Aleksis-Masla**, Zagreb School of Economics and Management (Croatia)  
**Dr. Bogdan Deaky**, Transilvania University of Brasov (Romania)  
**Dr. Domenico Ponta**, University of Genoa (Italy)  
**Dr. Frode Eika Sandnes**, Oslo and Akershus University College of Applied Sciences (Norway)  
**Dr. Olga Dolinina**, Saratov State Technical University (Russia)  
**Dr. Zeinabou Mindaoudou**, Université Abdou Moumouni Dioffo (Niger)  
**Dr. Rafik Braham**, Research Unit PRINCE, ISITCom of Hammam Sousse (Tunisia)  
**Dr. Cecelia Wright Brown**, University of Baltimore (USA)

African Diaspora for iCEER 2013

Chair: **Dr. Ibibia K. Dabipi**, University of Maryland Eastern Shore (USA)

### [Technical Program Committee](#)



Contact: [iceer13@labader.org](mailto:iceer13@labader.org)  
 Conference Website: <http://iceer2013.labader.org>



International Conference on Engineering Education and Research 2013

# ICEER 2013

Marrakesh, July 1st – 5th

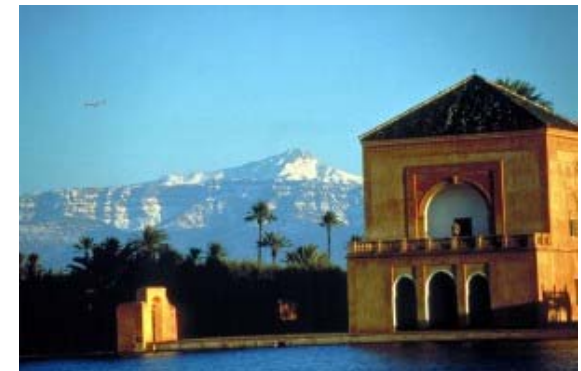



[www.iceer2013.labader.org](http://www.iceer2013.labader.org)

HOME   GUEST SPEAKERS   WORKSHOPS   SPECIAL SESSIONS   VENUE   PROGRAM   EVENTS   REGISTRATION   COMMITTEES

## Technical Program Committee

Ibibia K. Dabipi, University of Maryland Eastern Shore (USA)  
 Driss Bouzidi, Faculté des Sciences Ain Chock, Université Hassan II (Morocco)  
 Karmela Aleksis-Maslac, Zagreb School of Economics and Management (Croatia)  
 Louise Sauvé, TELUQ | Université du Québec (Canada)  
 Saâd Abdessettar, LICEF Research Center (Canada)  
 Anne-Rachel Inné, AFRINIC (Mauritius)  
 Anis Kraeim, Monastir Science Palace (Tunisia)  
 Youness Fareh, LICEF Research Center (Canada)  
 Roger Marcelin Faye, École supérieure polytechnique (Senegal)  
 Dong Sik Jan, Innovation Center for Engineering Education, Korea University (Korea)  
 Young-Wook Kim, University of Seoul (Korea)  
 Djibo Karimou, Université Abdou Moumouni (Niger)  
 Mahamadou Issoufou Tiado (Niger)  
 Mamoudou Djibo, Université Abdou Moumouni (Niger)  
 Zeinabou Mindaoudou, Université Abdou Moumouni (Niger)  
 Ousmane Moussa Tessa, Université Abdou Moumouni (Niger)  
 Abdelkader GALY, Université Abdou Moumouni (Niger)



## Important dates

**15 February 2013:** Abstract Submission

**02 March 2013:** Abstract Acceptance Notification

**22 March 2013:** Full Paper Submission

**Diarra Mamadou, Société nigérienne d'électricité (NIGELEC) (Niger)**  
**Boubacar Djibo, Université du Québec à Montréal (Canada)**  
**Guédé Boubacar, Nigerdiaspora (Belgique)**  
**Almoustapha Cissé, Coders4Africa (USA)**  
**Oumar Halidou, IAI (Niger)**  
**Amadou Hama Maiga, Université Gaston Berger (Senegal)**  
**Ibrahim Halidou, Faculté des sciences de Gabès (Tunisie)**  
**Bogdan Deaky, Transilvania University of Brasov (Romania)**  
**Peter Bofah, Howard University (USA)**  
**Abdoulkader Mody (France)**  
**Hussain Ahmad, University of West Indies, Mona (Jamaica)**  
**Frode Eika Sandnes, Oslo and Akershus University College of Applied Sciences (Norway)**  
**Jean-Luc Marcellin, Collège de Sherbrooke (Canada)**  
**Mohamed Mhamdi, Institut Supérieur d'Informatique et de Technique de Communication, Unité PRINCE (Tunisia)**  
**Jim Henry, University of Tennessee at Chatanoga (USA)**  
**Emmanuel Glakpe, Howard University (USA)**  
**Fidèle Moupfouma, Bombardier Aerospace (Canada)**  
**Ousseina Alidou, Rutgers University (USA)**  
**Domenico Ponta, University of Genoe (Italy)**  
**He Lingsong, Huazhong University of Science and Technology (China)**  
**Radim Farana, VSB-Technical University of Ostrava (Czech Republic)**  
**Wahid Bannour, ISET de Mahdia, (Tunisia)**  
**Tuohi Raija, Turku University of Applied Sciences (Finland)**  
**Clara Amelia de Olivera, Santa Catarina Federal University (Brazil)**  
**Mohammed Mahieddine, Université de Blida (Algérie)**  
**Rosetta Ziegler Cape Peninsula University of Technology (South Africa)**  
**James Uhomobhi, University of Ulster (UK)**  
**Joseph Arumala, University of Maryland Eastern Shore (USA)**  
**S. Hossein Mousavinezhad, Idaho State University (USA)**  
**Willie K. Ofosu, Penn State Wilkes-Barre (USA)**  
**Boujemâa Achchab, School of Technology, Berchid (Morocco)**  
**Mounssif Benchekroun, FST of Settat (Morocco)**  
**Mohamed Boulmaf, International University of Rabat (Morocco)**  
**Abdellah Ezzati, FST of Settat (Morocco)**  
**Hamid Harroud, University of Akhawayne, Ifrane (Morocco)**  
**Aawatif Hayar, ENSEM, Casablanca (Morocco)**  
**Abderraouf Hilali, FST of Settat (Morocco)**  
**Driss Mammass, School of Technology, Agadir (Morocco)**  
**Bouchaib Nassereddine, FST of Settat (Morocco)**

**20 April 2013: Final Acceptance Notification**

**01 May 2013: Camera Ready Submission**

**1st – 5th July 2013: Conference days**

#### SUPPORTED BY



Association for the  
Development  
of Education  
in Africa



جامعة مولاي إسماعيل  
UNIVERSITÉ MOULAY ISMAÏL



جامعة الحسن الأول  
UNIVERSITÉ HASSAN I<sup>er</sup>



Mohamed Nemiche, Ibn Zohr University, Agadir (Morocco)  
Youssef Zaz, Faculty of Sciences, Tétouan (Morocco)  
Mohamed Akherraz,, EMI (Morocco)  
Mustapha Benjillali, INPT (Morocco)  
Manuel Castro, UNED (Spain)  
Zouhair Guennoun, EMI (Morocco)  
Mohamed Maaroufi, EMI (Morocco)  
Mohamed Cherkaoui, EMI (Morocco)  
Abdelhamid Sahih (UK)  
Tarek El-Ghazawi, George Washington University (USA)  
Abderrahim Benslimane, Avignon University (France)  
Pierre Manneback, University of Mons (Belgium)  
El Mostafa Daoudi, Mohamed I University, Oujda (Morocco)  
Hakim Hafid, University of Montreal (Canada)  
Rachid Benlamri, Lackhead University (Canada)  
Mohammed Dafir El Kettani, ENSIAS, Université Mohamed V Soussi (Morocco)  
AdeI Serhani, UAE University (UAE)  
Hany Ammar, West Virginia University, Morgantown (USA)  
Mostapha Zbakh, ENSIAS, Université Mohamed V Soussi (Morocco)  
Ismail Khalil, Johannes Kepler University Linz (Austria)  
Hanane El Bakkali, ENSIAS, Université Mohamed V Soussi (Morocco)  
Sherif Khattab, Cairo University (Egypt)  
My Driss Ouadghiri, My Ismail University, Meknes (Morocco)  
Mohammed El Koutbi, ENSIAS, Université Mohamed V Soussi (Morocco)  
Mohamed Abdallah, ISET Radès (Tunisia)  
Yassine Salih Alj, AlAkhawayn University (Morocco)  
Khalid El Yassini, FS-Meknès, Université Moulay Ismail (Morocco)  
Rachid El Ouabhi, FLSH-Meknès, Université Moulay Ismail (Morocco)  
Nabil Benamar, FLSH-Meknès, Université Moulay Ismail (Morocco)  
Abdellah Jamali, EST-Berchid, Université Hassan I (Morocco)  
Abdeslam El Fergougui, FS-Meknès, Université Moulay Ismail (Morocco)  
Rafik Braham, Institut Supérieur d'Informatique et de Technique de Communication,  
Unité PRINCE (Tunisia)  
Hafssa Benaboud, FS – Rabat, (Morocco)

