



2015 International Conference on Cloud Computing Technologies and Applications

June 2-4, 2015 – Marrakech –MOROCCO

Program

Session	Topics	
S-I	A	Cloud Security(I)
	B	Cloud Services(I)
	C	International Workshop on Big Data- IWBD'15
S-II	A	Cloud Architecture
	B	Data Management and Big Data
	C	Cloud Services(II)
S-III	A	Management and Scheduling in Clouds
	B	Cloud Applications
	C	Cloud Security(II)
S-IV	A	Cloud Environment
	B	Mobile and Cloud computing
	C	International Workshop WVNT'15
S-V	A	Cloud Management
	B	Short Communication: Cloud, Big Data and Applications
	C	Short Communication: Cloud Management, Security and Applications

	Tuesday	Wednesday	Thursday		
08:00		Welcome/Registration (in Kenzi Farah hotel lobby)	Keynote 5 (Tarek El-Ghazawi) Room 1		
08:30					
09:00		Opening Ceremony Room 1	Keynote 6 (Wissam Halabi) Room 1		
09:10					
09:30		Keynote 1 (Maria Fasli) Room 1	Coffee Break		
09:50					
10:10		Keynote2 (Andrew Harrison) Room 1	Keynote 7 (Erik Elmroth) Room 1		
10:50					
10:50		Coffee Break	S-IV (A) Room 1	S-IV (B) Room 2	S-IV (C) Room 3
11:10					
11:10		S-I (A) Room 1	S-I (B) Room 2	S-I (C) Room 3	S-V (A) Room 1
11:50					
12:10		Lunch Break	S-V (B) Room 2	S-V (C) Room 3	Keynote 8 (Jalel Ben Othmane) Room 1
12:20					
12:30		Lunch Break	Closing Session		
12:50					
13:00		Lunch Break	Lunch Break		
13:10					
13:30		Keynote 3 (Hugh Shanahan) Room 1	Lunch Break		
14:00					
14:40		Keynote 4 (Chunming Rong) Room 1	Visit of Marrakech City		
15:00					
15:20		S-II (A) Room 1	S-II (B) Room 2	S-II (C) Room 3	Visit of Marrakech City
15:40					
16:40		Coffee Break	Visit of Marrakech City		
17:00					
17:00	Registration (in Kenzi Farah hotel lobby)	S-III (A) Room 1	S-III(B) Room 2	S-III (C) Room 3	Visit of Marrakech City
17:20					
17:40		Gala Dinner	Visit of Marrakech City		
18:00					
19:30		Gala Dinner	Visit of Marrakech City		
23:00					

**Program of
International Workshop on Big Data, IWBD'15**

S-I (C)	International Workshop on Big Data IWBD'15
9h00 – 9h30	Opening Ceremony
9h30– 10h10	Exploring Complex Datasets: Challenges and Perspectives Keynote 1 : Prof. Maria Fasli , Institute for Analytics and Data Science, School of Computer Science and Electronic Engineering University of Essex, UK.
10h10 – 10h50	Public Data Education: starting from the solution and working backwards Keynote 2 : Dr. Andrew Harrison , Department of Mathematical Sciences, University of Essex, UK.
10H50 – 11H10	Coffee Break
11H10 – 12H30	Communications
	Big Data in healthcare: Challenges and Opportunities (ID-144) Hajar Mousannif , Hiba Asri , Hassan Al Moatassime and Thomas Noel
	Some tools of QSAR/QSPR and drug development: Wiener and Terminal Wiener indices(ID-145) Meryam Zeryouh, Mohamed El Marraki and Mohamed Essalih
12H30 – 14H00	Lunch
14H00 – 14H40	Cloud computing for research in low and middle income countries. Keynote 2 : Dr. Hugh Shanahan , Department of Computer Science Centre for Systems and Synthetic Biology, University of London, UK.
14H40 – 16H40	Round Table Discussion : The Big Data Education
16H40-17H00	Coffee break
17H00 – 17H30	Workshop Conclusion

Keynote talks

Keynote 1	Complex Datasets: Challenges and Perspectives Maria Fasli, University of Essex, UK	Wednesday 09:30 -10:10
Keynote 2	Public Data Education: starting from the solution and working backwards Andrew Harrison, University of Essex, UK	Wednesday 10:10 – 10:50
Keynote 3	Cloud computing for research in low and middle income countries Hugh Shanahan, University of London, UK	Wednesday 14:00 – 14:40
Keynote 4	Secure Future Services in Cloud Chunming Rong, University of Stavanger, Norway	Wednesday 14:40 – 15:20
Keynote 5	Mobile Cloud Computing Tarek El-Ghazawi, The George Washington University, USA	Thursday 08:30 – 09:10
Keynote 6 IWBG'15	Getting Ready for IoT by Building your Cloud Computing and your Big Data Wissam Halabi, EMC ² Corporation, Massachusetts, USA	Thursday 09:10 – 09:50
Keynote 7	Cloud Control: Guided Tour through a Cloud Datacenter, addressing the Resource Management Challenges of the Future Erik Elmroth, Umeå University, Sweden	Thursday 10:10 – 10:50
Keynote 8 WVNT'15	DoS in VANETS issue or fatality? Jalel Ben Othmane, University of Paris 13, France	Thursday 12:50 – 13:10

Presentation guidelines:

- All presentations **should be in English**.
- The time provided for **Full** oral presentations is 20 min (presentation and discussion).
- The time provided for **Short** oral presentations is 10 min (presentation and discussion).
- The speakers should give their slides to the session chair before the beginning of each session.

S-I (A)	Cloud Security (I)
	Chair: - Chunming Rong, University of Stavanger, Norway
Wednesday, 03 June 10:10 – 12:30	<p>A Cloud Security Framework Based on Trust Model and Mobile Agent (ID-66) Saddek Benabied, Abdelhafid Zitouni and Mahieddine Djoudi</p> <p>How can we Design a Cost-Effective Model that Ensures a High Level of Data Integrity Protection? (ID-26) Nour-Eddine Alouane, Jaafar Abouchabaka and Najat Rafalia</p> <p>An efficient secure platform for storage in MCC (ID-83) Karim Zkik, Maha Tebaa, Ghizlane Orhanou and Said El Hajji</p> <p>Security, Privacy and Trust in Cloud Computing: Requirements and Approaches (ID-94) Meryeme Alouane and Hanan El Bakkali</p>

S-I (B)	Cloud Services (I)
	Chair: - Erik Elmroth, Umeå University, Sweden
Wednesday, 03 June 10:10 – 12:30	<p>Nu@ge: Towards a solidary and responsible cloud computing service (ID-53) Daniel Balouek-Thomert, Eddy Caron, Pascal Gallard and Laurent Lefevre</p> <p>Connectivity-Aware Service Provision in Vehicular Cloud (ID-60) Rayane El Sibai, Talar Atechian, Jacques Demerjian, Jacques Bou Abdo and Rami Tawil</p> <p>A Cloud Service Template for Enabling Accurate Cloud Adoption and Migration (ID-120) Charafeddine El Houssaini, Mahmoud Nassar and Abdelaziz Kriouile</p> <p>Towards Deployment of a User-Aware Tenancy Using Rich-Variant Components for SaaS Applications (ID-56) Houda Kriouile, Bouchra El Asri, M'Barek El Haloui and Asmae Benali</p>

S-I (C)	International Workshop on Big Data- IWBD'15
	Chair: - Maria Fasli, University of Essex, UK
Wednesday, 03 June 10:10 – 12:30	<p>Big Data in healthcare: Challenges and Opportunities (ID-144) Hajar Mousannif , Hiba Asri, , Hassan Al Moatassime and Thomas Noel</p> <p>Some tools of QSAR/QSPR and drug development: Wiener and Terminal Wiener indices (ID-145) Meryam Zeryouh, Mohamed El Marraki and Mohamed Essalih</p> <p>Big Data Open Platform for Water Resources Management (ID-146) Ridouane Chalh, Zohra Bakkoury, Driss Ouazar and Moulay Idriss Hasnaoui</p>

S-II (A)	Cloud Architecture
	Chair: - Tarek El-Ghazawi, The George Washington University, USA
Wednesday, 03 June 15:20 – 16:40	<p>Enterprise architecture approach for agility evaluation (ID-101) Jihane Lakhrouit, Meriem Benhaddi and Karim Baïna</p> <p>A Cloud-Based Architecture for Transactional Services Adaptation (ID-100) Widad Ettazi, Hatim Hafiddi, Mahmoud Nassar and Sophie Ebersold</p> <p>A multi-criteria analysis of intrusion detection architectures in cloud environments (ID-98) Rachid Cherkaoui and Mostapha Zbakh</p> <p>Management platform for Cloud Computing (ID-27) Omar Sefraoui, Mohammed Aissaoui and Mohsine Eleuldj</p>

S-II (B)	Data Management and Big Data
	Chair: - Pierre Manneback, University of Mons, Belgium
Wednesday, 03 June 15:20 – 16:40	<p>Log-based Change Data Capture from Schema-free Document Stores using MapReduce (ID-12) Kun Ma and Bo Yang</p> <p>Friendship based Storage Allocation for Online Social Networks Cloud Computing (ID-128) Mohamed Esam Elsaid and Christoph Meinel</p> <p>Building virtual anonymized databases for the Cloud (ID-30) Salheddine Kabou and Sidi Mohamed Benslimane</p> <p>Data Extraction for User Profile Management based on behavior (ID-41) Loubna Cherrat and Mostafa Ezziyyani</p>

S-II (C)	Cloud Services (II)
	Chair: - Claude Tadonki, Mines ParisTech, France
Wednesday, 03 June 15:20 – 16:40	<p>Security Model for Cloud Database as a Service (DBaaS) (ID-1) Kashif Munir</p> <p>Combining Multi-agent systems and MDE approach for Monitoring SLA violations in the Cloud Computing (ID-25) Adil Maarouf, Mahmoud El Hamlaoui, Abderrahim Marzouk and Abdelkrim Haqiq</p> <p>An Overview of Variability Management in Cloud Services (ID-21) Khadija Aouzal, Hatim Hafiddi and Mohamed Dahchour</p> <p>Cloud SaaS Using MDA Approach on a Multiview Models (ID-50) Zeddari Abderrazzak and Ettalbi Ahmed</p>

S-III(A)	Management and Scheduling in Clouds
	Chair: - Kun Ma, University of Jinan, China
Wednesday, 03 June 17:00 – 18:00	<p>A secured load balancing architecture for cloud computing based on multiple clusters (ID-103) Mohamed Belkhouraf, Hamza Kamal Idrissi, Ali Kartit, Mohamed El Marraki, Hassan Ouahmane and Zaid Kartit</p> <p>Adopting a Clustering Approach Toward a Scalable IaaS Cloud Datacenters (ID-104) Jamal Talbi and Abdelkrim Haqiq</p> <p>A pareto-based Artificial Bee Colony and Product Line for Optimizing Scheduling of VM on Cloud Computing (ID-126) Asmae Benali, Bouchra El Asri and Houda Kriouile</p>

S-III (B)	Cloud Applications
	Chair: - Munir Kashif, King Fahd University of Petroleum & Minerals, Saudi Arabia
Wednesday, 03 June 17:00 – 18:00	<p>Evaluating FLOODIS: Mobile Sensing for a Flood Emergency Service in the Cloud (ID-55) Claudio Rossi, Alfredo Favenza, Francesco Scullino, Vito Macchia, Giovanni Luca Spoto and Fabrizio Dominici</p> <p>A privacy-ensuring scheme for health data outsourcing (ID-90) Ricardo Gonçalves, Ekaterina Leonova, Ricardo Puttini and Anderson Nascimento</p> <p>An approach for privacy policies negotiation in mobile health-Cloud environments (ID-125) Souad Sadki and Hanan El Bakkali</p>

S-III (C)	Cloud Security (II)
	Chair: - Karim Baïna, ENSIAS, Mohammed V University, Rabat, Morocco
Wednesday, 03 June 17:00 – 18:00	<p>Decentralized Attribute-Based Encryption Scheme with Scalable Revocation for Sharing Data in Public Cloud Servers (ID-44) Adel Binbusayyis and Ning Zhang</p> <p>Malicious virtual machines detection through a clustering approach (ID-47) Mohamad Mahdi Bazm, Lyes Khoukhi , Rida Khatoun, Youcef Begriche, Ahmed Serhrouchni and Xiuzhen Chen</p> <p>Use of O-MaSE Methodology for Designing Efficient Intrusion Detection Based on MAS to Learn new Attacks (ID-29) Mohssine El Ajjouri, Siham Benhadou and Hicham Medromi</p>

S-IV (A)	Cloud Computing Environment
	Chair: - Mohamed Bakhouya, IUR, Morocco
Thursday, 04 June 10:50 – 11:50	First responder help facilitated by the mobile cloud (ID-108) Hazzaa Alshareef and Dan Grigoras Comparative Study of Simulators for Cloud Computing (ID-15) Adil Maarouf, Abderrahim Marzouk and Abdelkrim Haqiq Performance Analysis of a Two Stage Security Approach in Cloud Computing (ID-116) Mehdi Ezzari, Hamid El Ghazi and Tayeb Sadiki

S-IV (B)	Mobile Computing and Clouds
	Chair: - Francisco J. Quiles, North eastern University, Boston, MA, USA
Thursday, 04 June 10:50 – 11:50	A Mobile Cloud Middleware for Data Storage and Data Integrity (ID-121) Khadija Akherfi, Hamid Harroud and Michael Gerndt A Conceptual Framework for Personalization of Mobile Cloud Services (ID-109) Elarbi Badidi and Hayat Routaib External sources for mobile computing: the state-of-the-art, challenges, and future research (ID-124) Hind Bangui, Said Rakrak and Said Raghay

S-IV (C)	International Workshop WVNT'15
	Chair: - Jalel Ben Othmane, University of Paris 13, France
Thursday, 04 June 10:50 – 11:50	Cluster Head Selection Algorithm in Vehicular Ad Hoc Networks (ID-142) Bouchra Marzak, Hicham Toumi, Elhabib Benlahmar and Mohamed Talea SAIF: System for Aid to Increase Feedbacks in social networks with a reliable, credible and transparent way (ID-141) Mohcine Kodad, El Miloud Jaara and Mohammed Erramdani Security on RFID technology (ID-135) Nabil Kannouf, Youssef Douzi, Mohamed Benabdellah and Abdelmalek Azizi

S-V (A)	Cloud Management
	Chair: - Dan Grigoras, University College Cork (UCC), Ireland
Thursday, 04 June 11:50 – 13:10	<p>A Comprehensive Cloud-based IoT Software Infrastructure for Ambient Assisted Living (ID-148) Berto Gomes, Luiz Carlos Muniz, Francisco José Da Silva E Silva, Luis Eduardo Talavera Ríos and Markus Endler</p> <p>Towards a dynamic multi-level negotiation framework in Cloud computing (ID-115) Aya Omezzine, Said Tazi, Narjes Bellamine Ben Saoud, Khalil Drira and Gene Cooperman</p> <p>A SCA Based Model for Resolving Syntactic Heterogeneity among Clouds (ID-62) Meriem Thabet and Mahmoud Boufaida</p>

S-V (B)	Short Communication: Cloud, Big Data and Applications
	Chair: - Bouchaib Bounabet, Mohamed V university, Rabat, Morocco - Abdelkrim Haqiq, Hassan 1st University, Settat, Morocco
Thursday, 04 June 11:50 – 13:10	<p>From Big Data to Big Knowledge: The Art of making Big Data Alive (ID-110) Meryeme El Houari, Maryem Rhanoui and Bouchra El Asri</p> <p>Vulnerabilities and storage security in Cloud Computing (ID-87) Mostapha Derfouf</p> <p>Crop Management Using BIG DATA (ID-86) Younes Oulad Sayad, Hajar Mousannif and Michel Le Page</p> <p>Data Warehouse State of the art and future challenges (ID-32) Nawfal El Moukhi, Ikram Elazami and Aziz Mouloudi</p> <p>A Performance Comparison Between Parallel And Lazy Fetching in Vertically Distributed Cloud Databases (ID-18) Jens Kohler and Thomas Specht</p> <p>Cloud computing and the organizational performance: Different approach of assessment (ID-133) Abdelhamid El Alami, Hicham Sadouk and Naima Elhaoud</p> <p>Implementing Knowledge Management Systems in Cloud-Based Environments - A Case Study in a Computer Science High School (ID-91) Mohammed Amine Mostefai, Amina Annane, Lylia Kissoum and Ahmed Nacer Mohamed</p> <p>Big Data-as-a-Service Solution For Building Graph Social Networks (ID-69) Siham Yousfi and Dalila Chiadmi</p>

S-V (C)	Short Communication: Cloud Management, Security and Applications
	<p>Chair: - El Mostafa Daoudi, University Mohamed Premier, Oujda, Morocco - Mohsine Eleuldj, The Mohammadia School of engineering, Rabat, Morocco</p>
<p>Thursday, 04 June 11:50 – 13:10</p>	<p>An Adaptive Anonymous Authentication for Cloud Environment (ID-113) Amina Djellalbia, Souad Benmeziane, Nadjib Badache and Sihem Bensimessaoud</p> <p>Challenges of using Homomorphic Encryption to secure Cloud Computing (ID-59) Abdellah Ezzati, Khalid El Makkaoui and Abderrahim Beni Hssane</p> <p>Security challenges in intrusion detection (ID-37) Mohammed Jouad, Hanane Houmani and Sara Diouani</p> <p>Toward a Trusted framework for Cloud Computing (ID-33) Hicham Toumi, Eddaoui Ahmed, Khadija Sabiri and Mohamed Talea</p> <p>Remote Virtual Labs as a Service in the Cloud Computing (ID-24) Naoual Boukil and Abdelali Ibriz</p> <p>An Ontology-based Guidance for Privacy Enforcement in a Multi-Authority Cloud Environment (ID-114) Maherzia Belaazi, Hanen Boussi Rahmouni and Adel Bouhoula</p> <p>Multiview SOA: extending SOA using a private cloud computing as SaaS (ID-54) Rida Boukour and Ahmed Ettalbi</p>