CloudTech'16
IEEE Conference

ENSIAS

جامعة محمد الخامس بالرباط
Université Mohammed V de Rabat

MACC
Moroccan Association of Cloud Computing

The 2nd International Conference on Cloud Computing Technologies and Applications

May 24-26 2016, Marrakech, MOROCCO

Program

Session		Topics
S-I	A	Big data and applications
	B	Cloud Security and privacy (I)
S-II	A	Cloud Architecture and applications (I)
	B	Cloud Security and privacy (II)
S-III	A	Cloud energy efficiency
	B	Cloud Architecture and applications (II)
S-IV	A	Big data and cloud computing
	B	Cloud services
S-V	A	Cloud Security and privacy (III)
	B	Mobile and social cloud

	Monday	Tuesday	Wednesday	Thursday
08:00 08:30 09:00		Welcome/Registration (in Kenzi Farah hotel)	Welcome/Registration (in Kenzi Farah hotel)	Visit to Ourika Valley and Setti Fatma (near Marrakech)
09:00 09:10 09:30		Opening Ceremony Room 1	Keynote 3 (Eleni Karatza) Room 1	
09:30 10:00 10:10 10:20 10:30		Keynote 1 (Maria Fasli) Room 1	Coffee Break	
10:30 11:00		Coffee Break	Poster session (I)	Tutorial Apache Spark (I) (Frank Domoney / Jamie Al-Nasir)
11:00 11:30 11:50 12:10 12:15 12:18 12:19 12:20 12:30		S-I (A) Room 1 / S-I (B) Room 2 / Microsoft Azure training (I) Francesco Scullino	S-IV (A) Room 1 / S-IV (B) Room 2	
12:30 14:00		Lunch Break	Lunch Break	
14:00 14:20 14:50 15:00		Keynote 2 (William Frank Domoney) Room 1	Keynote 4 (Christophe Cérin) Room 1	
15:00 15:10 15:20 15:30 15:45 16:00 16:10 16:20 16:30		S-II (A) Room 1 / S-II (B) Room 2 / Microsoft Azure training (II) Claudio Rossi	Poster session (II) / Coffee break	
16:30 17:00	Welcome/ Registration (in Kenzi Farah hotel)	Coffee Break	S-V (A) Room 1 / S-V (B) Room 1 / Tutorial Apache Spark (II) (Frank Domoney / Jamie Al-Nasir)	
17:00 17:20 17:30 17:40 18:00 18:20 18:30		S-III (A) Room 1 / S-III (B) Room 2	Closing ceremony	
19:30 23:00		Gala Dinner		

Keynote talks

Keynote 1	**Gaining Insights through Big Data and Analytics** Maria Fasli, University of Essex, UK	**Tuesday** **09:30 -10:30**
Keynote 2	**How Cloud and SMACK Architecture cope with the vast volumes of data from sensors and machines in Smart Cities** William Frank Domoney, University of Essex, UK	**Tuesday** **14:00 – 15:00**
Keynote 3	**Current and Future Trends in Cloud Computing – Problems and Solutions** Eleni Karatza, Aristotle University of Thessaloniki, Greece	**Wednesday** **9:00 – 10:00**
Keynote 4	**Cloud computing for research in low and middle income countries** Christophe Cérin, University of Paris 13, France	**Wednesday** **14:00 – 15:00**

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)	**Big data and applications**
	Chair: - **Maria Fasli,** University of Essex, UK
Tuesday , May 24 11:00–12:30	**Performance Evaluation of CEP Engines for Stream Data Processing (ID-33)** Fadwa Lachhab, Mohamed Bakhouya, Mohammed Essaaidi and Radouane Ouladsine **Towards Adopting Big Data Technologies by Mobile Networks Operators: a Moroccan Case Study (ID-53)** Houda Daki, Asmaa El Hannani, Abdelhak Aqqal , Abdelfattah Haidine, Aziz Dahbi and Hassan Ouahmane **Fusion of GPS/INS/Odometer measurements for land vehicle navigation with GPS outage (ID-27)** Mohammed Aftatah, Abdelkabir Lahrech and Abdelouahed Abounada **ZCPGenerator Framework: Zakat Calculation Platforms Generator based on MDA Approach (ID-60)** Abdelaziz Mamouni, Zayed Alhaddad, Youness Boukouchi and Abdelaziz Marzak **Class Noise Elimination Approach for Large Datasets Based on a Combination of Classifiers (ID-9): Short** Btissam Zerhari

S-I (B)	**Cloud Security and privacy (I)**
	Chair: - **Claude Tadonki**, MINES ParisTech, France
Tuesday , May 24 11:00–12:30	**Multi-Criteria Malleable Task Management for Hybrid-Cloud Platforms (ID-84)** Eddy Caron and Marcos Dias de Assunção **Software agent based model for Security risk assessment in cloud computing environment (ID-65)** Angelo Furfaro, Teresa Gallo, Alfredo Garro, Domenico Saccà and Andrea Tundis **FP2E: Flexible, Effective And Privacy Preserving Cloud Data Sharing Scheme (ID-14)** Imad El Ghoubach, Rachid Benabbou and Fatiha Mrabti **Towards Secure Tag-MapReduce Framework in Cloud (ID-70)** Cherif A. A. Bissiriou, Rachid Cherkaoui, Abdelghafour Harraz and Mostapha Zbakh **Cloud Security and Privacy Model for Providing Secure Cloud Services (ID-1): Short** Khalid El Makkaoui, Abdellah Ezzati and Abderrahim Beni-Hssane

S-II (A)	Cloud Architecture and applications (I)
	Chair: - **Tarek El-Ghazawi,** The George Washington University, USA
Tuesday , May 24 15:00–16:30	**Reducing the Number of Response Time SLO Violations by a Cloud-HPC Convergence Scheduler (ID-79)** Alessandro Kraemer, Carlos Maziero, Olivier Richard and Denis Trystram **Neuro-fuzzy model for Prognostic as a Service in private cloud computing (ID-85)** Terrissa Labib Sadek, Bouzidi Zahra, Zerhouni Noureddine and Gouriveau Rafael **Secure data storage in the cloud with homomorphic encryption (ID-11)** Yasmina Bensitel and Rahal Romadi **Cloud of things-based decision-making process using product's traceability (ID-30): Short** Abdesselam Bougdira, Abdelaziz Ahaitouf and Akharraz Ismail **Capability and Maturity Model for reuse: a Practical Guide (ID-62): Short** Siham Younoussi and Ounsa Roudies **ECC certificate for authentication in Cloud-based RFID (ID-29): Short** Chaimae Elmakfalji, Rahal Romadi and Abdellatif El Afia

S-II (B)	Cloud Security and privacy (II)
	Chair: - **Claudio Rossi,** Istituto Superiore Mario Boella, Italy
Tuesday , May 24 15:00–16:30	**Automated Anomaly Detection for Cloud Quality of Service (ID-35)** John Pendlebury, Vincent C. Emeakaroha, David O'Shea, Neil Cafferkey, John Morrison and Theo Lynn **Taking Account of Trust When Adopting Cloud Computing Architecture (ID-39)** Mohamed Bakouk, Youness Idrissi Khamlichi and Mohamed Moughit **New Architecture Model to secure Cloud Data Storage (ID-49)** Maryem Berrezzouq and Abdellatif El Ghazi **A Novel Collaborative IDS Framework for Cloud Computing (ID-56): Short** Zayed Al Haddad, Mostafa Hanoune and Abdelaziz Mamouni **Log File's Centralization to Improve Cloud Security (ID-23): Short** Meryem Amar, Mouad Lemoudden and Bouabid El Ouahidi **Security of Architectures E-commerce Based on Cloud Computing (ID-51): Short** Fadma Elbadaoui, Hanane Houmani and Saida Tallal

S-III (A)	**Cloud energy efficiency**
	<u>Chair:</u> - **Pierre Manneback,** University of Mons, Mons, Belgium
Tuesday , May 24 17:00–18:30	**The Impact of Hierarchical Structure on Efficiency of Cloud Monitoring (ID-24)** Sultan Alshamrani, Dariusz Kowalski and Leszek Gasieniec **On the Impact of Virtualization on the I/O Performance of Analytic Workloads (ID-18)** Son Hai Ha, Daniele Venzano, Patrick Brown and Pietro Michiardi **Towards a Smart Selection of Resources for Low-energy Multimedia Processing (ID-6)** Sidi Ahmed Mahmoudi **Collision Avoidance and Service Differentiation at the MAC Layer of WSN Designed for Multi-Purpose Applications (ID-76)** Iala Imad, Imane Dbibih, Ouadoudi Zytoune and Driss Aboutajdine **Towards selective mobile cloud services (ID-32): Short** Hind Bangui, Said Rakrak and Said Raghay

S-III (B)	**Cloud Architecture and applications (II)**
	<u>Chair:</u> - **Eddy Caron,** ENS de Lyon, Lyon, France
Tuesday , May 24 17:00–18:30	**A Performed Load Balancing Algorithm for Public Cloud Computing using Ant Colony Optimization (ID-5)** Awatif Ragmani, Amina El Omri, Noreddine Abghour, Khalid Moussaid and Mohammed Rida **A Secure Framework For Medical Image Storage Based on Multi-Cloud (ID-36)** Ali Kartit and Mbarek Marwan **A Novel Architecture for Task Scheduling Based on Dynamic Queues and Particle Swarm Optimization in Cloud Computing (ID-40)** Hicham Ben Alla, Said Ben Alla and Abdellah Ezzati **Adaptive Cloud system implementation (ID-66)** Abdelghafour Harraz, Cherif Bissiriou and Rachid Cherkaoui **New Technique for Face Recognition Based on SVD(ID-8): Short** El Mahdi Barrah, Said Safi, Abdessamad Malaoui

S-IV (A)	Big data and cloud computing
	Chair: - Christophe Cérin , University of Paris 13, France
Wednesday, May 25 11:30–12:30	**Public Opinion Knowledge (POK) Platform based on Apache Hadoop (ID-47)** Abdelkader Rhouati, El Hassane Ettifouri, Mohammed Ghaouth Belkasmi and Bouchentouf Toumi **A Model-Driven Architecture-based Data Quality Management Framework for the Internet of Things (ID-69)** Aimad Karkouch, Hajar Mousannif, Hassan Al Moatassime and Thomas Noel **A Post-Prognostics Decision framework for cell site maintenance using Cloud Computing and Internet of Things (ID-83)** Terrissa Sadek Labib, Meraghni Safa, Zerhouni Noureddine, Varnier Christophe and Ayad Soheyb

S-IV (B)	Cloud services
	Chair: - Eleni Karatza, Aristotle University of Thessaloniki, Greece
Wednesday, May 25 11:30–12:30	**On the Evaluation of Cloud Web Services for Crowdsourcing Mobile Applications (ID-28)** Muluneh Hailu Heyi and Claudio Rossi **Adaptive Workload Prediction for Proactive Auto Scaling in PaaS Systems (ID-16)** Ridwan Shariffdeen, Tharindu Munasinghe, Supun Bhathiya, Janaka Bandara and Dilum Bandara **Load Balancing Issue in Cloud Services Selection by Using MCDM and Markov Chain Model Approaches (ID-19): Short** Hemam Sofiane Mounine and Hioual Ouassila **Online Multi-Instance Acquisition for Cost Optimization in IaaS Clouds(ID-58): Short** Nour-Eddine Alouane, Jaafar Abouchabaka and Najat Rafalia

S-V (A)	Cloud Security and privacy (III)
	Chair: - **Abdellah Touhafi,** Vrije Universiteit Brussel, Belgium
Wednesday, May 25 16:30 – 18:00	**A Virtual Environment for the Enactment of Realistic Cyber Security Scenarios (ID-92)** Angelo Furfaro, Antonio Piccolo, Domenico Saccà and Andrea Parise **Efficient Anonymous User Authentication on Server Without Secure Channel During Registration (ID-15)** An Braeken and Abdellah Touhafi **Dynamic adaptation of the ACS-TSP local pheromone decay parameter based on the Hidden Markov Model (ID-46)** Safae Bouzbita, Abdellatif El Afia, Rdouan Faizi and Mustapha Zbakh **Existing solutions and new approach (ID-41)** Meryeme Alouane and Hanan El Bakkali

S-V (B)	Mobile and social cloud
	Chair: - **William Frank Domoney**, University of Essex, UK
Wednesday, May 25 16:30 – 18:00	**A Decision-Support Model Enabling a Proactive Vision of Cloud Computing Adoption (ID-61)** M'Barek El Haloui and Abdelaziz Kriouile **Cloud Computing and Sentiment Analysis in E-learning Systems (ID-59)** Taoufiq Zarra, Raddouane Chiheb, Rdouan Faizi and Abdellatif El Afia **A Cloud based platform for Real Time Online Labs with User Collaboration (ID-74): Short** Abdellah Touhafi, An Braeken, Abderrahim Tahiri, Mostapha Zbakh **Optimal decision making for mobile offloading (ID-43):Short** Mouad Idri, Rami Langar and Wenzhong Li **Toward Cloud SaaS for web service composition optimization based on genetic algortihm (ID-82)** Ali Bentaleb and Ahmed Ettalbi

	Poster session (I)
Wednesday, May 25 10:30 – 11:30	**Big Data security Requirement in the Cloud Computing (ID-38)** Lamyae Hbibi and Hafid Barka **Gene expression data analyses for supervised prostate cancer Classification based on feature subset selection combined with different classifiers (ID-26)** Sara Haddou Bouazza **On Privacy-aware for Cloud Computing (ID-63)** Abderrahim Ait Wakrime, Said Jabbour and Imen Ouled Dlala **Self Organization Agent Oriented Dynamic Resource Allocation on Open Federated Clouds Environment (ID 67)** Kemchi Sofiane, Zitouni Abdelhafid and Djoudi Mahieddine

	Poster session (II)
Wednesday, May 25 15:00 – 16:00	**Study and Evaluation of the VOIP's Performance on the Dynamic Multipoint Virtual Private Network (ID-73)** Ayoub Bahnasse and Najib El Kamoun **A Secure Framework For Medical Image Processing Over Cloud (ID-75)** Ali Kartit, Mbarek Marwan, and Hassan Ouahmane **Toward Cloud SaaS for web service composition optimization based on genetic algortihm (ID-82)** Ali Bentaleb and Ahmed Ettalbi **A High-Performance and Scalable Distributed Storage and Computing System for IMS Services (ID-88)** Youssef Seraoui, Mostafa Bellafkih, Brahim Raouyane **Security and Privacy challenges in Big Data (ID-89)** Karim Abouelmehdi, Abderrahim Beni-Hssane and Hayat Khaloufi **Persistence Of The Data Access Path Of The Search Information Engine In Big Data For The Optimisation Of the Interrogation Process (ID 91)** Said El Karimi, Loubna Cherrat and Mostafa Ezziyyani