

## Monday July 18, 2016

08:30 Registration, Coffee (Amphitheater Concorde, Building U4)

09:10 Parallel Sessions UIC-ATC and Workshops SSC-Romart-City & MCCSEA \*\*\*  
(all presentations: 20mn talks + 5mn questions)

<b>SSC Amphi Concorde</b>	<b>ATC Room 205</b>	<b>UIC Room 204</b>	<b>Romart-City Room 203</b>	<b>MCCSEA Room 202</b>	<b>CISC Room 207</b>
<b>Workshop</b>	<b>Software Defined Networking Security and Trust</b>	<b>Personalization and Social Aspects (A)</b>	<b>Workshop</b>	<b>Workshop</b>	<b>Workshop</b>
Workshop Opening Marie-Pierre Gleizes	10 Hypervisor-based attestation of virtual environments	12 A Novel random walk and scale con- trol method for event recommendation	6 Role of robots in the smart city ecosystem and vice versa	1 Efficient multisite computation offloading for mobile cloud computing	
Keynote Speech: Marion Bonhomme  The Mapuce project: an interdisciplinary approach to integrate energy and urban climate into urban planning	1 A Novel Hybrid Flow-based handler with DDoS attacks in software-defined networking	11 A Graph-based method for Indoor subarea localization with zero- configuration	1 Children playing with robots using stigmergy on a smart floor	2 A trust-based offloading for mobile M2M communications	1 An empirical study on preferen- ce distribution of facebook users
			7 Smart human robot interaction in public places	4 Mobility and Context-Aware Offloading in Mobile Cloud Computing	2 EnUp: energy- efficient Data up- loading for mobile crowd sensing applications

10:25 Coffee Break

10:45 Parallel Sessions UIC & Workshop SSC  
(all presentations: 20mn talks + 5mn questions)

<b>SSC Amphi Concorde</b>	<b>UIC Room 205</b>	<b>UIC Room 204</b>	<b>Romart-City Room 203</b>	<b>Room 202</b>	<b>CISC Room 207</b>
<b>Workshop</b>	<b>Smart Systems and Services</b>	<b>Personalization and Social Aspects (B)</b>	<b>Workshop</b>	<b>Meetings</b>	<b>Workshop</b>
Towards Smart and Sustainable Multimodal Public Transports Based on a Participatory Ecosystem	43 Human activity pattern recogni- tion based on con- tinuous data from a body worn sen- sor using hidden Markov models	5 A Personalized tweet recommend- ation approach based on concept graphs	8 Adaptation in the Internet of robotic things		3 Energy efficient trajectory recor-ding of mobile devices using WiFi scanning
Urban Knowledge Extraction, Representation and Reasoning as a Bridge from Data City towards Smart City	44 Applied a mul- ti-scale entropy algorithm to ana- lyze dynamic COP signal via accele- rometer sensor	16 Fine-grained delta privacy Preservation for hierarchical contexts	2 Internet-of- Things in Motion: A Cooperative Data Muling Model Under Revisit Constraints		4 A Survey of Wi-Fi based contactless activity recognition
An instrumented and sustainable building Energy consumption optimisation through dynamic energetic simulations for an intelligent manage- ment of energy	39 Build smart campus using human behavioral data	34 Bridging the gap between real and simulated environ- ments: an agent- based hybrid smart home simulator for complex systems	5 Robot and Smart Factories		5 A novel pave- ment performance prediction frame-work in smart city based on tensor decomposition

12:00 Lunch

13:05 Parallel Sessions UIC and Workshops SSC–CISC-SMMA & HPBDC  
(all presentations: 20mn talks + 5mn questions)

<b>SSC Amphi Concorde</b>	<b>Room 205</b>	<b>UIC Room 204</b>	<b>Romart-City Room 203</b>	<b>SMMA Room 202</b>	<b>HPBDC Room 207</b>
<b>Workshop</b>	<b>Meetings</b>	<b>Personalization and Social Aspects (C)</b>	<b>Workshop</b>	<b>Workshop</b>	<b>Workshop</b>
Evaluation of hemp concrete thermal properties		36 VIPR: A Visual interface tool for programming semantic web rules	3 A multi-agent architecture for highly-customisable TBA production	3 The Medical experiential service design based on users	1 Topic Modeling and Visualization for Big Data in Social Sciences
LVDC grid based on PV energy sources and multiple electro-chemical storage technologies		31 Concealed in the Internet: a novel covert channel with normal traffic imitating	4 ACROSSING Project	4 Design of emotional construction-based life service APP for elderly people	2 Tuning active sampling techniques for evolutionary learner from big data sets, review and discussion
A data model for supplying a Data Center with several energy sources		1 A Context modelling approach based on temporal Euclidean vector space	Panel Discussion	6 Design of family-oriented social network application in digital era	3 Dynamic range partitioning with asynchronous data balancing
Opportunistic composition of human computer interactions in ambient spaces		4 Novel efficient and privacy-preserving protocols for sensor-based human activity recognition		7 Bees Colonies for Meaningful Communities Detection in Social Medias Network	4 Hierarchical Data Topology Based Selection for Large Scale Learning
Trusted access control system for smart campus		40 ROAT: road-network-based anonymization of trajectories		8 Using Real Option Model to Evaluate Movie Investments Based on Social Network	
Use cases of pervasive artificial intelligence for smart cities challenges		38 Towards socially intelligent automated tutors: predicting learning style dimensions from conversational dialogue		9 Usability oriented designing in Community Health Management App	
Formal requirements engineering for smart industries				10 Research on cultural recreation and interactive design of social applications	

16:00 Coffee Break

16:20 Parallel Sessions UIC & Workshop SSC (all presentations: 20mn talks + 5mn questions)

<b>SSC Amphi Concorde</b>	<b>Room 205</b>	<b>UIC Room 204</b>	<b>Room 203</b>	<b>Room 202</b>	<b>Room 207</b>
<b>Workshop</b>	<b>Meetings</b>	<b>Personalization and Social Aspects (D)</b>	<b>Meetings</b>	<b>Meetings</b>	<b>Meetings</b>
Panel of the Workshop Georges Da Costa		42 Discovering mass activities using anomalies in individual mobility motifs			
From building control to ecofeedback: opportunities and challenges		45 Less annotation on personalized activity recognition using context data			

Keynote Speech: Emmanuel Eveno		28 A Platform for overcrowding detection in indoor event using scalable Technology			
The development of Smart Cities: some models in the world and the emergence of an approach centered on the users					
18:10 Welcome Reception (Building U4 Université Paul Sabatier)					

\*\*\* The Tutorial NVIDIA on Deep Learning will take place at LAAS-CNRS, 7 avenue du Colonel Roche, 31400 Toulouse, close to Building U4 where the conference takes place.

## Tuesday July 19, 2016

08:00 Registration, Coffee (Amphitheater Concorde, Building U4)

08:30 Conference Introduction

10:00 Coffee Break

10:20 Keynote Talk: Valérie Issarny, INRIA, France  
Monitoring Urban Pollution using Mobile Crowd Sensing: The SoundCity Use Case

11:00 Keynote Talk: Marie-Pierre Gleizes, Université de Toulouse  
neOCampus, Campus of the Future

11:40 Keynote Talk: Xin Yao, The University of Birmingham, UK

12:20 Lunch

13:30 Keynote Talk : Geoffrey Fox, University of Indiana, USA  
Challenges in Big Data, Big Simulations, Clouds and HPC

14:10 Keynote Talk : Alison Lowndes, NVIDIA  
Deep Learning – Impact on Modern Life

14:40 Panel Discussion:  
Smart Sustainable Cities

16:00 Coffee Break

16:20 Parallel Sessions UIC–ATC–ScalCom–CBDCOM–SmartWorld  
(all presentations: 20mn talks + 5mn questions)

<b>UIC Amphi Concorde</b>	<b>ATC Room 205</b>	<b>ScalCom Room 204</b>	<b>CBDCOM Room 203</b>	<b>UIC Room 202</b>	<b>SmartWorld Room 207</b>
<b>Smart Systems and Services (A)</b>	<b>Privacy Preservation in Big Data</b>	<b>GPU, Accelerators and Novel Architectures for Scalability-Rethinking(A)</b>	<b>Cloud Computing Solutions and Platforms (A)</b>	<b>Smart Environments and Applications (A)</b>	<b>Smart Systems and Services Smart Environments, Appl. (A)</b>
8 Activity recognition based on the dynamic coordinate transformation of inertial sensor data	2 Building privacy-preserving search engine query logs for data monetization	4 An out-of-core method for physical simulations on a multi-GPU architecture using lattice Boltzmann method	3 A performance and profit oriented data replication strategy for cloud systems	32 Comparison of detailed occupancy profile generative methods to published standard diversity profiles	9 Measuring users' relationship strength using a hierarchical voting-based model
14 Plogs: Materializing datalog programs with MapReduce for scalable reasoning	5 In light of the legal debate over personal data privacy at a time of globalized Big Data	14 An efficient load balancing method for tree algorithms	5 A Semantic-Agent framework for PaaS Interoperability	9 Process-based habit mining: experiments and techniques	18 A Novel practical method To classify scholars based on re-search subjects
15 Internet-of-Things in motion: a cooperative data mulling model for public safety	6 Employing private data in AMI applications: short term load forecasting using differentially private aggregated data	8 Cost-efficient parallel RSA decryption with integrated GPGPU and OpenCL	10 An Iterative weighted KNN (IW-KNN) based indoor localization method in Bluetooth low energy (BLE) environment	3 Trust-aware opportunistic dissemination scheme for VANET safety applications	21 Client-Side partial file caching for cloud-based systems
17 Evaluating the impact of data transfer time and mobility patterns in opportunistic networks	3 Applying the trust-worthy remote entity to privacy-preserving multiparty computation: requirements and criteria for large-scale applications	5 A zero-copy shared memory framework for host-guest data sharing in KVM		13 Using real traffic data for ITS simulation: procedure and validation	23 Mobility and the Internet of People: a morphological analysis

18:00 Departure for reception at "Salle des Illustres" (via Subway, Exit "Capitole" station)

18:30 Reception at "Salle des Illustres" of Toulouse City Hall

## Wednesday July 20, 2016

08:00 Registration, Coffee (Amphitheater Concorde, Building U4)

08:40 Keynote Talk: J. Daniel Garcia  
Reengineering for Parallelism in C++

09:20 Keynote Talk: Panos Pardolos, University of Florida, USA  
A new Information theory perspective on network robustness

10:00 Coffee Break

10:20 Keynote Talk: Igor Kotenko, Russian Academy of Science, Russia  
Computation, visualization and analysis of security metrics for cyber situation awareness

11:00 Keynote Talk: Berger Levrault

11:40 Keynote Talk: TBA

12:20 Lunch

13:30 Parallel Sessions UIC–ATC–ScalCom–CBDCOM–IoP–SmartWorld  
(all presentations: 20mn talks + 5mn questions)

<b>UIC Amphi Concorde</b>	<b>ATC Room 205</b>	<b>ScalCom Room 204</b>	<b>CBDCOM Room 203</b>	<b>IoP Room 202</b>	<b>SmartWorld Room 207</b>
<b>Session Smart Systems and Services (B)</b>	<b>Cryptocurrencies and Blockchain-based Systems</b>	<b>GPU, Accelerators and Novel Architectures for Scalability-Rethinking(B)</b>	<b>Big Data Algorithms Applications and Services, Big Data Mining (A)</b>	<b>IoP</b>	<b>Trust and Security in Networks and Pervasive Computing</b>
19 Toward QoS-aware cloud robotic applications: a hybrid architecture and Its implementation	8 Timing analysis for Inferring the topology of the bitcoin Peer-to-Peer network	11 Parallel Monte-Carlo Simulation on GPU and Xeon Phi for stratospheric balloon envelope drift descent	2 Progress estimation in parallel data processing systems	1 How to keep people playing mobile games: an experience requirements testing approach	11 A quantity based aggregation control model for graph databases
20 Improving the reliability of pervasive computing applications by continuous checking of sensor readings	14 The unreasonable effectiveness of address clustering	6 Analysis and evaluation of the performance of CAPE	4 When to use a distributed data-flow engine: evaluating the performance of Apache Flink	2 Is there PAPA in crowd work? - A literature review on ethical dimensions in crowdsourcing	12 RpR: A trust computation model for Social Internet of Things
21 A Navigation cognitive system driven by hierarchical spiking neural network	15 Blockchain-based publishing layer for the keyless signing infrastructure	15 Many-thread aware compression in GPGPUs	6 ETSC: Partition-centric graph processing	3 Crowd Snsing of road conditions and its monetary implications on vehicle navigation	14 A combined solution for conjunctive keyword search phrase search and auditing for encrypted cloud storage
24 Designing parallel data processing for large-scale sensor orchestration	16 Buy your coffee with Bitcoin: real-world deployment of Bitcoin point of sale	18 Accelerating computation on an Android phone with OpenCL parallelism and optimizing workload distribution between a phone and a cloud	7 Classifying very high-dimensional and large-scale multi-class image datasets with latent-ISVM	4 Deep learning based affective model for speech emotion recognition	17 Fuzzy Petri net model for hesitant decision making
26 SmartMTra: put the limit of the Inertial sensor based indoor motion trajectory tracing using smartphone		19 GPU accelerated robust-laser based fast simultaneous localization and mapping	8 A streaming data anomaly detection analytic engine for mobile network management	5 Increasing the support to human in factory environments using a smart glove: an evaluation	8 A policy-driven framework for document classification and enterprise security
27 Heterogeneous data driven manifold regularization model for fingerprint calibration reduction		13 Placement of smart mobile access points in wireless sensor network and cyber-physical systems using fog computing	9 Dynamic temporal policy model for online social networks	6 An assessment planner for MOOCs based ODALA approach	19 Scanning for viruses on encrypted cloud storage

16:00 Coffee Break

16:20 Parallel Sessions UIC-ATC-SCALCOM-CBDCom-SmartWorld  
(all presentations: 20mn talks + 5mn questions)

<b>UIC Amphi Concorde</b>	<b>ATC Room 205</b>	<b>ScalCom Room 204</b>	<b>CBDCom Room 203</b>	<b>UIC Room 202</b>	<b>SmartWorld Room 207</b>
<b>Session Smart Systems and Services (C)</b>	<b>Advanced Data Analytics in Future Intellectual Work</b>	<b>Cloud and Fog Computing and Engineering, DSL</b>	<b>Big Data Algorithms Applications and Services, Big Data Mining (B)</b>	<b>Smart Environments and Applications (B)</b>	<b>Smart Systems and Services Smart Environments, Appl. (B)</b>
29 Towards efficient data services in vehicular networks via cooperative I2V and V2V communications	28 Hybrid analysis of Audience gaze and constitutive features of slides for extracting the defective portions from presentation Slides	7 An Integrated virtualized strategy for fault tolerance in cloud computing environment	11 Accelerating Apache Spark Big Data analysis with FPGAs	33 Fuzzy AHP for learning service selection in context-aware ubiquitous learning systems	1 Monitoring and control framework for business processes in ubiquitous environments
30 IoT-Lite: A lightweight semantic model for the Internet of Thing	27 Estimation of the error factors in programming exercises based on dynamic Revisions of case-bases	9 AGOCS – Accurate Google cloud simulator framework	12 Little Big Data: Shaping Minds for the Cloud	2 A context-aware solution to improve web service discovery and user-service interaction	2 Scalable distributed cloud data storage service for Internet of Things
35 Dynamic domain model for micro context-aware adaptation of applications	24 A Method for collecting learners' thinking process in ER modeling exercises and Its application experiment	12 A cloud solution for multi-omics data integration	13 Towards an Adaptive Multi-Agent System for Dynamic Big Data Analytics	22 Early warning of city-scale unusual social event on public transportation smartcard data	6 Design of a new fasten-able linear motor for smart distributed robot system
37 Improving data fusion in Big Data stream computing for automotive applications	25 A System for facilitating discussion in business simulation exercises based on the dual-advising model	16 On MAS-based, scalable resource allocation in large-scale, dynamic environments	14 Big Data Quality: a quality dimensions evaluation	10 Event-driven and district-related home care	5 Behaviour Analysis in Smart Spaces
41 PublicSense a crowd sensing platform for public facility management in Smart Cities	26 Implementation of collaborative E-learning system for unstable environment	20 The weekend warrior: how to build a genomic supercomputer in your spare time using streams and actors in Scala	15 Energy efficient data mining techniques for emergency detection in wireless sensor networks	18 A convex optimization based autonomous Intersection control strategy in vehicular cyber-physical systems	3 Towards a IoT framework for the matchmaking of sensors' interfaces

18:30 Departure for Gala Dinner "Domaine de Montjoie" (via buses; departure: Building U4 University Paul Sabatier)

19:00 Gala Dinner at "Castle Domaine de Montjoie" Ramonville

## Thursday July 21, 2016

08:00 Registration, Coffee (Amphitheater Concorde, Building U4)

09:15 Keynote Talk: TBA

09:45 Coffee Break

10:00 Parallel Sessions UIC-ATC-ScalCom-CBDCom and Workshops 5<sup>th</sup> GDB & RePara  
(all presentations: 20mn talks + 5mn questions)

<b>UIC Amphi Concorde</b>	<b>ATC Room 205</b>	<b>ScalCom Room 204</b>	<b>CBDCom Room 203</b>	<b>ATC Room 202</b>	<b>RePara Room 207</b>
Smart Environments Smarts systems	Privacy and Trust management in dis- tributed systems; Trustworthy au- thentication in Pervasive Computing	Modelling and Simulation of Large Complex Systems & Miscellaneous	Cloud Computing Solutions and Platforms (B)	Advanced Intell- igent Computing and Algorithms for Sensory Data; Middleware for IoT	Workshop
39 Build Smart Campus using human behavioral data	11 Distributed coverage of Ego networks in F2F online social networks	10 Simulation-ba- sed optimization methods applied to large scale water systems control	16 Machine lear- ning-based frame- work for resource management and modeling for video analytic in cloud- based Hadoop environment	13 An adaptive replica mechanism for real-time stream processing	1 CID: A compl- e-time Imple- mentation deci- der for Hetero- geneous plat- forms based on C++ Attributes
23 Leveraging declarations over the lifecycle of large- scale sensor applications	18 A timer based leader election algorithm	17 An approach to aggregation of se- curity events in In- ternet-of-Things networks based on genetic optimization	17 A Glowworm swarm optimization algorithm for virtual machine placement in cloud computing	22 A framework of multiple kernel ensemble learning for hyperspectral classification	2 Detecting ker- nels suitable for C-based high- level hardware synthesis
25 Detecting attacks smartly in vehicle cloud computing	17 RPiDS: Raspberry Pi IDS A fruitful intrusion detection system for IoT	21 Artificial neural network and Monte Carlo simulation in a hybrid method for time series fore- casting with genera- tion of L-scenarios	1 SLA specification and negotiation model for a net- work of federated clouds: CoudLend	12 Multi-applica- tion query optimization for shared WSNs leveraging caching mechanism	3 MyThOS - a scalable OS de- sign for extre- mely parallel applications
	7 Smart-Guard: defending user Input from malware	2 Adaptive and po- wer-aware resi- lience for extreme- scale computing	<b>Opening of the 5<sup>th</sup> GDB Workshop</b> GDB-1 Spammer detection for real- time Bbig data graphs	9 Enabling self- configuration of QoC-centric fog computing entities	4 Enforcing techniques and transformation of C/C++ source code to hetero- geneous hardware
	20 A quorum system for distributing RFID tags		GDB-2 Delta RAID to enhance recovery and small- write performance of RAID storage systems	4 Choosing secure- ty elements for the xAAL home automation system	5 Efficient dyna- mic memory al- location in data stream process- ing programs
	21 A green trust management scheme to mitigate trust-distortion attacks on MANETs		GDB-3 Big Data for urban studies: opportunities and challenges: a comparative perspective	23 Towards Early detection of novel attack patterns from the Lens of A Large-Scale darknet	6 A real-time embedded heterogeneous GPU/FPGA parallel system for radar signal processing

12:30 Lunch

13:30 Conference Closure

