



**2014** **DIGITAL INTELLIGENCE**  
INTELLIGENCES NUMÉRIQUES

**PROGRAM**

Nantes Events Center  
September 17-19 2014

[www.di2014.org](http://www.di2014.org)



## A AN INTERDISCIPLINARY SCIENTIFIC CONFERENCE

Digital sciences and technologies have deeply transformed our social structures and relationship with knowledge, culture, territories, society. They also modify the structure of our identities.

Digital technologies are an accelerator of innovations in our practices as well as a vector of social progress. But they also raise growing concerns as they carry potential risks for our tomorrow's societies, both on a societal, economic, technological, sanitary and legal plan.

The ambition of this conference is to offer a first international scientific event dedicated to the study of emergent(s) digital Culture (s) (in an anthropological sense, Culture is the way of life of a group - Maquet, 1949) and to the different kind of individual and collective associated intelligences.

Pluri- and interdisciplinary by definition, this conference will bring together researchers and students stemming from Humanities, Information and Communication Sciences and Technologies and Biology & Health: IT, automatic, robotics, electronics, telecoms, law, economics & management, design, communication, sociology, anthropology, psychology, philosophy, town planning, geography, addiction treatment, neurobiology, etc.

Resolutely opened towards territory and in particular towards the actors of the metropolitan and (inter-) regional digital ecosystem (entrepreneurs, associations, territorial institutions, artists, etc.), this conference also aims at facilitating and fertilizing exchanges, creative frictions and questioning of *obvious facts* on the relationships between Arts, Sciences and Economy.



## E EDITORIAL DIRECTION

PROGRAM CO-CHAIRS



**Milad DOUEIHI**  
Sorbonne Universités, France

Chair of Digital Humanities  
Sorbonne Universités.

**Frédéric BENHAMOU**  
Université de Nantes, France

Vice-president in charge of  
research and innovation



CONFERENCE CO-CHAIRS



**Stéphane ROCHE**  
Université Laval, Canada

**Francky TRICHET**  
Université de Nantes, France  
Vice-president in charge of  
digital strategy





## KEYNOTE SESSIONS

## ▶ THE HUMAN CONDITION IN AN HYPERCONNECTED ERA .....

AUDIT. 450

WEDNESDAY 17 SEPT. | 9:30 AM TO 10:30 AM

We often refer and insist on the speed of changes induced by technological, and notably ICT, developments. I shall argue that, more than speed, what matters is to take the measure of the nature, the radicality and the depth of the change we are going through: we are witnessing a change of era that has been anticipated by social sciences, humanities and art, but is now to be acknowledged and endorsed by policy-making. We are stepping definitely out of modernity. Still, both expectations from policies, and policies themselves remain framed in modern terms, and are less and less efficient in grasping what really matters for people, as the pervasive sense of «losing ground» unveils. Inspired by Hannah Arendt's Human Condition and the Onlife Initiative, I shall propose some benchmarks to step in this forthcoming hyperconnected era with intelligence and confidence.

**Nicole DEWANDRE**

EUROPEAN COMMISSION , DG CONNECT

*Nicole Dewandre is advisor for societal issues to the Director General of the DG for Communications, Networks, Content and Technologies at the European Commission. She studied applied physics engineering and economics*

*at the University of Louvain, operations research at the University of California (Berkeley) and philosophy at the Free University of Brussels (ULB). She entered the European Commission in 1983. She worked in «science and society» issues (women and science, research and civil society), before being in charge of the «sustainable development» unit put in place in DG Research between 2007 and 2010. She is now working on the societal interface of the Digital Agenda for Europe.*

## ▶ COLD STORAGE .....

AUDIT. 450

WEDNESDAY 17 SEPT. | 4:00 PM TO 5:15 PM

However much it enables us to ask new questions with an expanded set of tools, the digital is ultimately not about the digital. Rather it is about new ways of engaging and interacting with the world: it's about extending our cognitive faculties and social existences; new ways to analyze and experience the past in the present; new ways to work, think, share, and enjoy; new ways to make things, even tradition-bound things like scholarly books. With this altered field the question of new genres and knowledge forms looms large and my keynote address will be concerned with an experiment with the interactive www-documentary form entitled Cold Storage. Cold Storage is an extension of a printed book (The Library Beyond the Book), the output of a research seminar built upon three years of work in metaLAB's Library Test Kitchen design studio, and a reworking/remixing of Alain Resnais's 1956 *Toute la mémoire du monde* (with the BNP swapped for the analog server farm known as the Harvard Depository).

**Jeffrey T. SCHNAPP**

HARVARD UNIVERSITY, METALAB@ HARVARD

*Before moving to Harvard in 2011, Jeffrey T. Schnapp occupied the Pierotti Chair of Italian Studies at Stanford, where he founded and led the Stanford Humanities Lab in 1999. A cultural historian with research interests*

*extending from antiquity to the present, his most recent books are The Electric Information Age Book, Modernitalia, Digital Humanities, and The Library Beyond the Book. Faculty co-director of the Berkman Center for Internet and Society, he is Professor of Romance Languages & Literature and Comparative Literature and also on the teaching faculty in the Department of Architecture at Harvard's Graduate School of Design. He is the founder and faculty director of metaLAB@Harvard.*

## ▶ WHY INFORMATICS GENERATES MENTAL INVERSIONS .....

AUDIT. 450

THURSDAY 18 SEPT. | 9:30 AM TO 10:30 AM

The digital revolution is often thought of as a technical revolution that impacts a wide variety of human activities. Using a variety of examples involving children as well as adults, we argue that its reach is far wider in the sense that it modifies or inverts many of our basic perceptions such as those of space and time, and explain why algorithmic thinking deeply changes many elementary ways of reflecting and acting in field as varied as science, engineering, medicine, and art.

**Gérard BERRY**FRENCH ACADEMY OF SCIENCES  
FRENCH ACADEMY OF TECHNOLOGIES  
ACADEMIA EUROPAEA

*Gérard Berry is a French computer scientist, member of the French Academy of Sciences, French Academy of Technologies and Academia Europaea. He was researcher at Ecole*

*des Mines and Inria from 1973 to 2000 and the Chief Scientist Officer of the Esterel Technologies company from 2000 to 2009. He joined back Inria from 2009 to 2012. He held two yearly chair at Collège de France: Liliane Bettencourt chair of Technological Innovation in 2007-2008 and Informatics and Digital Sciences chair in 2008-2009. He is currently Professor at Collège de France where he holds the Algorithms, Machines and Languages chair since September 2012.*

## ▶ RESEARCH-CREATION, HEXAGRAM AND EMBODIED KNOWING IN A DIGITAL WORLD .....

AUDIT. 450

THURSDAY 18 SEPT. | 2:00 PM TO 3:00 PM

Although the word research increasingly surfaces in relationship to digitally-based art and design, there is much confusion over exactly what this term means, particularly in regards to institutions outside of academic contexts. In institutionalized settings, research signifies modes of acquiring new knowledge that coherently and systematically advance a field, is grounded, supported and adhered to by established methods and techniques and is validated by both social frameworks (peers) and already existing bodies of thought. This talk examines an emerging paradigm in Quebec and Canada ("Research-Creation") that traverses both academic and cultural contexts together with an institutional "test site" (Hexagram, based in Montreal) that seeks to put forward an integrated model of theory and practice, and experimentation and creation in which the interpretive disciplines (humanities and social science) are increasingly linked with creative ones (art and design) through the arena of new technologies.

**Chris SALTER**UNIVERSITY OF CONCORDIA  
HEXAGRAM CENTRE FOR RESEARCH

*Chris Salter is an artist, Concordia University Research Chair in New Media, Technology and the Senses, Co-Director of Hexagram and Associate Professor for Design + Computation Arts at Concordia University in Montreal. He studied philosophy, economics, theatre and computer music at Emory and Stanford Universities. After collaborating with Peter Sellars and William Forsythe/Ballett Frankfurt, he co-founded and directed the art and research organization Sponge. His work has been seen all over the world. He is the author of Entangled: Technology and the Transformation of Performance (MIT Press, 2010) and the forthcoming Alien Agency: Experimental Encounters with Art in the Making (MIT Press, 2015).*

## SENSEABLE CITIES

AUDIT. 450

FRIDAY 19 SEPT. | 9:00 AM TO 10:00 AM

The increasing deployment of sensors and hand-held electronics in recent years is allowing a new approach to the study of the built environment. The way we describe and understand cities is being radically transformed - alongside the tools we use to design them and impact on their physical structure. The contribution from Prof. Carlo Ratti will address these issues from a critical point of view through projects by the Senseable City Laboratory, a research initiative at the Massachusetts Institute of Technology, and the design office Carlo Ratti Associati.



**Carlo RATTI**  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
DIRECTOR, MIT SENSEABLE LAB  
FOUNDING PARTNER, CARLO RATTI ASSOCIATI

*An architect and engineer by training, Carlo Ratti practices in Italy and teaches at the MIT, where he directs the Senseable City Lab. Ratti has co-authored over 250 publications and holds several patents. His work has been exhibited in several venues worldwide, including the Venice Biennale, MoMA in New York City and MAXXI in Rome. At the 2008 World Expo, his 'Digital Water Pavilion' was hailed by Time Magazine as one of the 'Best Inventions of the Year'. He has been included in Blueprint Magazine's '25 People who will Change the World of Design' and in Wired Magazine's 'Smart List 2012: 50 people who will change the world'. He is curator for the 'Future Food District' at Expo Milano 2015.*

## TURN YOUR DIGITAL SELF INTO A KNOWLEDGE BASE

AUDIT. 450

FRIDAY 19 SEPT. | 2:00 PM TO 3:00 PM

A Web user today has his/her data and information distributed in a number of services that operate in silos. Computer wizards already know how to control their personal data to some extent. It is now becoming possible for everyone to do the same, and there are many advantages to doing so. Everyone should now be in a position to manage his/her personal information. Furthermore, we will argue that we should move towards personal knowledge bases and discuss advantages to do so.



**Serge ABITEBOUL**  
INRIA & ENS CACHAN

*Serge Abiteboul obtained his Ph.D. from the University of Southern California, and a State Doctoral Thesis from the University of Paris-Sud. He has been a researcher at Inria since 1982 and is now Distinguished Affiliated Professor at ENS Cachan. He was a Lecturer at the École Polytechnique and Visiting Professor at Stanford and Oxford University. He has been Chair Professor at Collège de France in 2011-12 and Franqui Chair Professor at Namur University in 2012-2013. He became a member of the French Academy of Sciences in 2008, and a member the Academy of Europe in 2011. Abiteboul's research work focuses mainly on data, information and knowledge management, particularly on the Web. He has recently started a blog about computer science ([binaire.blog.lemonde.fr](http://binaire.blog.lemonde.fr)).*

## PARALLEL SESSIONS

### ROBOTICS

ROOM KL

WEDNESDAY 17 SEPT. | 11:00 AM TO 12:30 PM

**Frédéric Boyer. [Invited Talk] A few examples of bio-inspiration in Robotics: from swimming robots to Electric field perception**

**Camille Bosqué.** «Remaining time: 21 minutes», *Ambivalent emancipation by 3D printing*

**Matthieu Lapeyre, Pierre Rouanet, Jonathan Grizou, Steve N'Guyen, Fabien Depraetre, Alexandre Le Falher and Pierre-Yves Oudeyer.** *Poppy Project: Open-Source Fabrication of 3D Printed Humanoid Robot for Science, Education and Art*

**Sophie Sakka, Louise Penna-Poubel and Denis Cehajic.** *Tasks prioritization for whole-body realtime imitation of human motion by humanoid robots*

Session chair: Gérard BERRY, French Academy of Sciences, French Academy of Technologies and Academia Europaea

### SECURITY & PRIVACY

ROOM J

WEDNESDAY 17 SEPT. | 11:00 AM TO 12:30 PM

**Christoph Sorge [Invited Talk]. Security and privacy Challenges of lifelong and the quantified self**

**Marcello Vitali-Rosati.** *Security Devices in the Digital Age*

**Mathilde De Saint Léger, Sébastien Gambs, Brigitte Juanals, Jean-Francois Lalande and Jean-Luc Minel.** *Privacy and mobile technologies: the need to build a digital culture*

**Thierry Berthier.** *Cyber Conflict and Algorithmic Forecasting*

Session chair: Enrico NARDELLI, Università di Roma «Tor Vergata»

WEDNESDAY 17 SEPTEMBER

## DIGITAL HUMANITIES (1)

ROOM M

WEDNESDAY 17 SEPT. | 11:00 AM TO 12:30 PM

**Alexandre Dupont.** *Traditional Net Art Networks*

**Anne-France Kogan and Inna Lyubareva.** *Public Uses of Digital Technology and Short Circuits in Culture*

**Françoise Rubellin.** *Light Shows and Digital Lighting: New Tools for Cultural History*

**Richard Walter and Emmanuelle Bousquet.** *Digital Intelligence for Understanding Sources of Lyrical Pieces*

Session chair: Philippe LE GUERN, Université de Nantes

## E-EDUCATION

ROOM M

WEDNESDAY 17 SEPT. | 2:00 PM TO 3:30 PM

**Benjamin Clément, Didier Roy, Manuel Lopes and Pierre-Yves Oudeyer.** *Online Optimization and Personalization of Teaching Sequences*

**Simon Carolan, Morgan Magnin and Anne-Laure Kabalu.** *Sparking a Digital Revolution: Digital Educational Tools in Fragile and Emerging Learning Contexts*

Session chair: **Christine BALAGUE**, Institut Mines Telecom

## DIGITAL LITERATURE

ROOM KL

WEDNESDAY 17 SEPT. | 2:00 PM TO 3:30 PM

**Gaëlle Debeaux.** *Hypertext and its Predecessors: A Garden of Forking Paths?*

**Gilles Bonnet.** *Autobiography*

**Juliette Morel.** *Designing a geomatic database to study the literary space of Nedjma de Kateb Yacine: Contribution to digital literary tools*

**Reboul Marianne.** *Homer and the Expandable Book: For a Translatologist Interface*

Session chair: **Milad DOUEIHI**, Université Paris Sorbonne

WEDNESDAY 17 SEPTEMBER

## INTERACTIONS (1)

ROOM J

WEDNESDAY 17 SEPT. | 2:00 PM TO 3:30 PM

**Enrico Nardelli and Isabella Corradini [Invited Talk]** - **Techno-stress prevention in digital society: for a new ecology of interaction between people and IT systems**

**Amaury Belin, Yannick Prié and Aurélien Tabard.** *Supporting the Development of Digital Skills*

**Guylain Delmas, Azziz Anghour and Myriam Lamolle.** *Towards plot generation in a multi-user context*

**Hakim Hachour and Safia Abouad.** *From Digital Dumbness to Digital Consciousness: The Know-How of Information Technologies*

Session chair: **Christoph SORGE**, Universität des Saarlandes

THURSDAY 18 SEPTEMBER

## DIGITAL ART

ROOM 200

THURSDAY 18 SEPT. | 11:00 AM TO 12:30 PM

**George Legrady [Invited Talk]:** *Swarm Vision - Issues in Translating Human Photographic Vision Behavior to Machine Learning, An arts-engineering research project in Intelligence & Information Systems*

**Maël Guesdon and Philippe Le Guern.** *Democratizing Promise, Technocapitalism and Hierarchical Holographic Modeling: Hatsune Miku*

**Romain Cohendet, Matthieu Pereira Da Silva and Patrick Le Callet.** *Emotional movie: A new art form designed at the heart of human-technology interaction.*

**Shauna Concannon and Matthew Purver.** *Understanding Arts Audiences and Cultural Preference Through Twitter Data*

Session Chair: **Philippe CODOGNET**, JFLY / University Pierre & Marie Curie / University of Tokyo, Japan

## DIGITAL HUMANITIES (2)

ROOM G

THURSDAY 18 SEPT. | 11:00 TO 12:30 PM

**Joana Casenave and Yves Marcoux.** *Critical Electronic Publishing: A New "Tradition" under Construction?*

**Olivier Le Deuff and Franck Cormerais.** *The Digital Scholar in the Reconfiguration of Contemporary Knowledge*

**Robin De Mourat, Donato Ricci and Pierre-Laurent Boulanger.** *AIME: opening the context of a Humanities inquiry*

**Thierry Daunois.** *Humanities Gone Digital?*

**Guy Saupin.** *Museums and Digital Technologies: Redefining the Visitor*

Session Chair: **Emmanuelle BOUSQUET**, Université de Nantes

## EMERGING PRACTICES

ROOM H

THURSDAY 18 SEPT. | 11:00 AM TO 12:30 PM

**Michael Sinatra and Marcello Vitali Rosati.** *The Algorithms of Love*

**Samuel Guillemot and Andrea Gourmelen.** *Intergenerational Transmission of Digital Data: User Perceptions and the Future*

**Thomas Lacroix and Maud Jourdain.** *Systematic Approach to Personal Health Records: Uses of Digital Technology and General Practitioners*

Session Chair: **Jeffrey SCHNAPP**, Harvard University

## IT FOR CULTURAL AND SCIENTIFIC HERITAGE

ROOM I

THURSDAY 18 SEPT. | 11:00 AM TO 12:30 PM

**Benjamin Hervy, Florent Laroche, Boris Lam, Vincent Tourre, Myriam Servières, Jean-Louis Kerouanton and Alain Bernard.** *Historical Knowledge Management Through Virtual Reality: Theoretical Aspects and Experiment Proposal*

**Raphael Fournier, Emmanuel Viennet, Savaneary Sean, Françoise Fogelman Soulié and Marc Bénéaiche.** *AMMICO: social recommendation for museums*

Session Chair: **Yannick PRIÉ**, Université de Nantes

## ROUND TABLE: DIGITAL ART & SCIENCES

AUDIT. 450

THURSDAY 18 SEPT. | 3:30 PM TO 5:00 PM

Researchers and artists will discuss and debate of the interactions existing between digital art and science:

- **Elliot Woods (UK) & Vincent Minier (France)**
- **Louis-Philippe Demers (Canada) & Philipp Artus (Germany)**
- **Herman Kolgen (Canada, Quebec) & Eric Siu (Japan)**
- **David Olivari (France) & Chris Salter (Canada, Québec)**
- **Philippe Codognet, JFLY / University Pierre & Marie Curie / University of Tokyo, Japan**

## CREATIVE WORKSHOP ON CONNECTED ENVIRONMENT

ROOM J

PART 1 : THURSDAY 18 SEPT. | 10:30 AM TO 12:30 PM

PART 2 : THURSDAY 18 SEPT. | 3:00 PM TO 5:30 PM

Participants to the workshop will coproduce concepts as user scenario (a storytelling design framework) or rapid prototypes related to Connected Environments.

They will use a combination of themes written on digital cards to support their creativity.

The workshop uses 3 functions related to Connected Environments: Product - Context - Action.

12 participants max.

This workshop is organized by the Ecole de Design Nantes Atlantique

THURSDAY 18 SEPTEMBER

## SCOPITONE GUIDED TOUR OF THE CITY

THURSDAY 18 SEPT. | 5.00 PM TO 6:00 PM

Discover the city of Nantes and its mains sights of interest connected with Digital Art : Eotone exposition, Rioji Ikeda (lieu unique), etc.

Start of the visit at 5:00 PM, from the main hall. Registration at the information desk

## SCOPITONE PERFORMANCE: BLANCA LI

THURSDAY 18 SEPT. | 7:30 PM TO 9:00 PM

Stereolux

Blanca Li is a choreographer, dancer, filmmaker and director of interactive exhibitions. Whether performance, opera, video clip or feature film, she initiates and realises a great number of projects: «I like to give life to all that's in my brain». Never restricted to one style, she gets her inspiration from a broad spectrum of physical forms of expression (from flamenco to classical ballet and hip-hop). With Blanca Li, everything begins and ends in the energy of movement and dance.

## GALA DINNER

THURSDAY 18 SEPT. | FROM 9:00 PM

Stereolux

FRIDAY 19 SEPTEMBER

## DATA

ROOM I

FRIDAY 19 SEPT. | 10:30 AM TO 12:30 PM

**Claire Laudy and Christophe Gouguenheim.** *Big Data approach applied to Graph based Information Request*

**Harry Halpin and Ioanna Lykourantzou.** *Crowdsourcing High-Quality Structured Data*

**Teriitutea Quesnot and Stéphane Roche.** *Massive Geosocial Data as a Potential Source of Information for Identifying Urban Landmarks*

**Tilman Deuschel, Timm Heuss, Bernhard Humm and Torsten Fröhlich.** *Finding without Searching - A Serendipity-based Approach for Digital Cultural Heritage*

Session chair: Serge ABITEBOUL, INRIA & ENS Cachan

## INTERACTIONS (2)

ROOM G

FRIDAY 19 SEPT. | 10:30 AM TO 12:30 PM

**Jacques Athanase Gilbert.** *Immersive Environments: Ecology and Aesthetics of Digital Technologies*

**Olivier Ertzscheid.** *From World Wide Web to World Wide Wear: From the Man-as-Document to the Body-as-Interface*

**Samuel Goyet.** *Google Glass under its API: Visions & Regulations of Technical Innovation*

**Xavier Aimé.** *Using AI for Neuropsychology*

Session chair: Patrick LE CALLET, Université de Nantes

## DIGITAL HUMANITIES (3)

ROOM H

FRIDAY 19 SEPT. | 10:30 AM TO 12:30 PM

**Alexandre Gefen [Invited Talk].** *Thoughts on Cultural History at the Time of Big Data*

**Nicolas Thély, Fabienne Moreau, Vincent Claveau and Elsa Tolone.** *Art Criticism on the Testing Grounds of the Digital Humanities*

**Samuel Szoniecky and Hakim Hachour.** *Monads for an Ethical Standard for Digital Information Ecosystems*

**Sylvain Laubé, Bruno Rohou and Serge Garlatti.** *Digital Humanities and the Semantic Web: Benefits of Modeling Knowledge of the History of Science and Technology in Creating a Comparative History of the Ports of Brest (France) and Mar del Plata (Argentina)*

Session chair: Jean-Louis KEROUANTON, Université de Nantes

## CLOSURE SESSION

AUDIT. 450

FRIDAY 19 SEPT. | 15:00 PM to 15:30 PM

WEDNESDAY 17 SEPTEMBER



09:00am  
*Opening session*

09:30am 10:00am  
**KEYNOTE SESSION # 1  
NICOLE DEWANDRE**  
European comission - Directorate  
General for Communications  
Networks, Content & technology  
(DG Connect)  
*Rethinking the human condition  
in a hyperconnected era*

*Coffee break*

10:30am 12:30pm  
**Robotics**  
Room KL (English)  
**Security & Privacy**  
Room J (English)  
**Digital Humanities #1**  
Room M (French)

*Lunch*

02:00pm 03:30pm  
**E-education**  
Room M (English)  
**Interactions #1**  
Room J (English)  
**Digital Literature**  
Room KL (French)

*Coffee break / Poster session*

04:00pm 05:15pm  
**KEYNOTE SESSION # 2  
JEFFREY SCHNAPP**  
Harvard University, Berkman  
Center for Internet & Society :  
metaLAB (at) Harvard  
*Cold storage*

*PC meeting*

07:30pm  
*PC members and invited  
speakers dinner*

THURSDAY 18 SEPTEMBER



09:30am 10:30am  
**KEYNOTE SESSION # 3  
GÉRARD BERRY**  
French Academy of Sciences, French  
Academy of Technologies and  
Academia Europea  
*Why Informatics generates  
mental inversions*

*Coffee break / Poster session*

11:00am 12:30pm  
**Digital Art**  
Room 200 (English)  
**Emerging Pratices - Room H**  
(English)  
**Digital humanities #2 - Room G**  
(French)  
**IT for cultural and scientific heritage**  
Room I (French)  
**Creative Workshop (part I) :**  
Connected environnement - Room J

*Lunch*

02:00pm 03:00pm  
**KEYNOTE SESSION # 4  
CHRIS SALTER**  
Concordia University,  
Hexagram Concordia Centre  
for Research  
*Research-Creation,  
Hexagram and Emboldied  
Knowing in a digital World*

*Coffee break*

03:30pm 05:00pm  
**Digital Art & Science round table  
Research and Artists  
Audit. 450 (English)**  
**Creative Workshop (part II) :**  
Connected environnement - Room J

*Scopitone guided tour*

07:30pm  
*Scopitone performance*

09:00pm  
*Gala dinner*

FRIDAY 19 SEPTEMBER



09:00am 10:00am  
**KEYNOTE SESSION # 5  
CARLO RATTI**  
Massachusetts Institute of Technology,  
MIT Senseable Lab  
*Smart Cities*

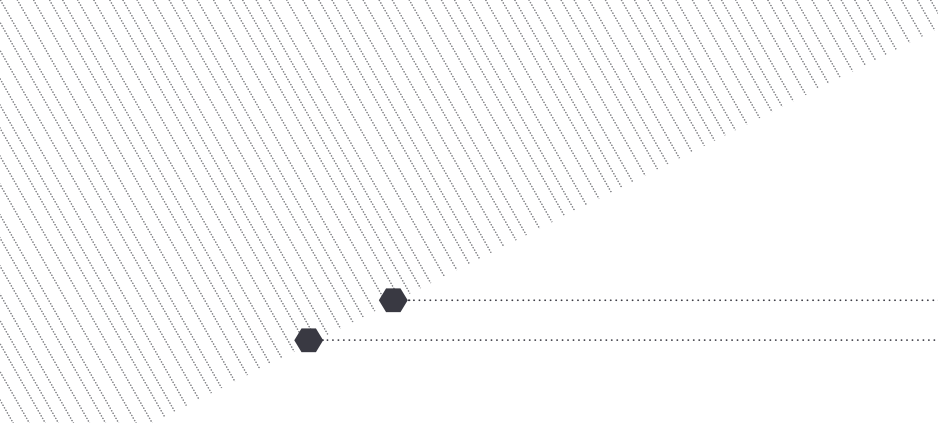
*Coffee break*

10:30am 12:30pm  
**Data**  
Room I (English)  
**Interactions #2**  
Room G (French)  
**Digital Humanities**  
Room H (French)

*Lunch*

02:00pm 03:00pm  
**KEYNOTE SESSION # 6  
SERGE ABITEBOUL**  
INRIA & ENS Cachan  
*Turn your digital self into a  
knowledge base*

*Closure session*



**P** POSTER SESSION

Wednesday 17 - 3.30 PM - 4.00 PM  
Thursday 18 - 10.30 - 11.00 PM

- 1. Eric Languénoù, Pascale Kuntz and Nicolas Greffard. *Archipelago Visualization of personal digital music collections*
- 2. Victor Godreau, Côme de Castelbajac, Mathieu Ritou, Etienne Chové and Benoit Furet. *Knowledge Discovery in Database (KDD) applied to in-process monitoring of machining*
- 3. Filippo Mazza, Matthieu Perreira Da Silva and Patrick Le Callet. *All that glitter ain't gold: underlining lessons learned from a crowdsourcing case study*
- 4. Michael Sinatra. *Theory and Practice at CRIHN (Centre for Interuniversity Research in Digital Humanities)*
- 5. Yvonne Diggins. *Fragmented, Lonely, Unrewarded and Unsupported – The 'Muddling Through' approach to EICT public policy-making in Ireland*
- 6. Alemneh Moges. *ICT: Learning Growth in Ethiopia*
- 7. Florent Carlier, Valérie Renault and Frédéric Piat. *TIFAIFAI: New Interactive Spaces for Learning*

- 8. Rosella Gennari, Sara Tonelli and Pierpaolo Vittorini. *TAF Language and Games for Story Comprehension*
- 9. Vincent Minier, Vincent Bontems and Francky Trichet. *How does a space telescope work ? Capturing and opening innovation within Big Science machines*
- 10. Raphael Suire and Sylvain Dejean. *Digital files dealers and social networks in the context of the French 3 strikes (HADOPI) law*
- 11. Daniel Siret, Myriam Servièrès and Laurent Lescop. *Mobile Devices for Multimodal Communication and Instrumented Collaboration in Urban Design*
- 12. Beniamino Murgante and Giuseppe Borruso. *Cities and Smartness: the true challenge*
- 13. Ofelia Delfina Cervantes Villagomez, Christophe Thovex and Francky Trichet. *Dynamic recommendations for smart citizens based on socio-semantic networks analysis*
- 14. Fernandez Florent. *Uses of the Human Body in a 'Smart City'*
- 15. Joseph Lark, Sebastián Peña Saldarriaga, Emmanuel Morin, Fabien Poulard and Sylvain Ornetti. *Consumer Concern Extraction in Social Web Reviews*



**A** AREA CHAIRS

DIGITAL HUMANITIES



Serge ABITEBOUL (INRIA, ENS CACHAN, FRANCE)

SMART CITIES



Philippe AIGRAIN (LA QUADRATURE DU NET, FRANCE)

Ryohei NAKATSU (NATIONAL UNIVERSITY OF SINGAPORE)



Jeffrey T. SCHNAPP (HARVARD UNIVERSITY, METALAB @ HARVARD, BERKMAN CENTER FOR INTERNET & SOCIETY, USA)



Stéphane ROCHE (UNIVERSITÉ LAVAL, CANADA)



DIGITAL ART

DATA

THE COMMONS



**Alexandre GEFEN** (CNRS-UNIVERSITÉ PARIS SORBONNE, FRANCE)



DIGITAL LITERATURE

SOCIAL WEB



**Anne-Marie KERMARREC** (INRIA RENNES, FRANCE)

**Yuichiro ANZAI** (JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE, JAPAN)



HUMAN-ROBOT INTERACTION

DIGITAL LITERACY



**Gérard BERRY** (INRIA, FRENCH ACADEMY OF SCIENCES)

**Rory MCGREAL** (ATHABASCA UNIVERSITY, CANADA)



E-LEARNING

SECURITY, PRIVACY & DIGITAL IDENTITY



**PASCAL VAN HENTENRYCK** (AUSTRALIAN NATIONAL UNIVERSITY / NICTA, AUSTRALIA)

P PROGRAM COMMITTEE

Reda S. Alhaji, Department of Computer Science, University of Calgary, Canada  
Gérard Assayag, STMS Lab - Sciences & Technologies Musique & Son, IRCAM, France

Francis Bach, Computer Science Laboratory, Ecole Normale Supérieure / INRIA, France  
Christine Balagué, Chair Marketing and Social Networks, Institut Mines-Telecom / Vice-President of Conseil National du Numérique, France

François Bancelhon, Data publica, France

Christoph Bartneck, Human Interface Laboratory, Canterbury University, Australia  
David Bates, Berkeley Center for New Media, University of California - Berkeley, USA

Michel Beaudouin-Lafon, Computer sciences laboratory, Université Paris Sud, France  
Ben Brabon, Department of English and History, Edge Hill University, UK

Daren C. Brabham, Annenberg School for Communication & Journalism, University of Southern California, USA

Patrick Y.K. Chau, School of Business, The University of Hong Kong, Hong Kong  
Philippe Codognot, Japanese-French Laboratory for Informatics / University Pierre & Marie Curie / University of Tokyo, Japan

Jozef Colpaert, Director R&D of Language Institute Linguapolis, Universiteit Antwerpen, Belgium

Sir John Daniel, Open and Distance Learning, UK

Manuel Fernandez, Human Scale City, Spain

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**Nantes Digital Week**

#di2014 Conference is at the heart of a Digital Week in Nantes (12-21 Sept 2014) organized and carried by all the actors of Nantes' digital ecosystem. Bringing together numerous demonstrations and varied events (conferences, seminars, workshops, demonstrations, performances, concerts, etc.), this week aims at offering to all reflection, contribution, training, practice and creation on subjects and challenges connected to digital technology. Both festive, innovative, hybrid and designed to appeal to a wide audience.



**Startup Weekend**

ORGANIZED BY LA CANTINE 2.0

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**2014 Scopitone - Festival of digital art and electronic cultures**

▶ Joint conferences with scientists and artists

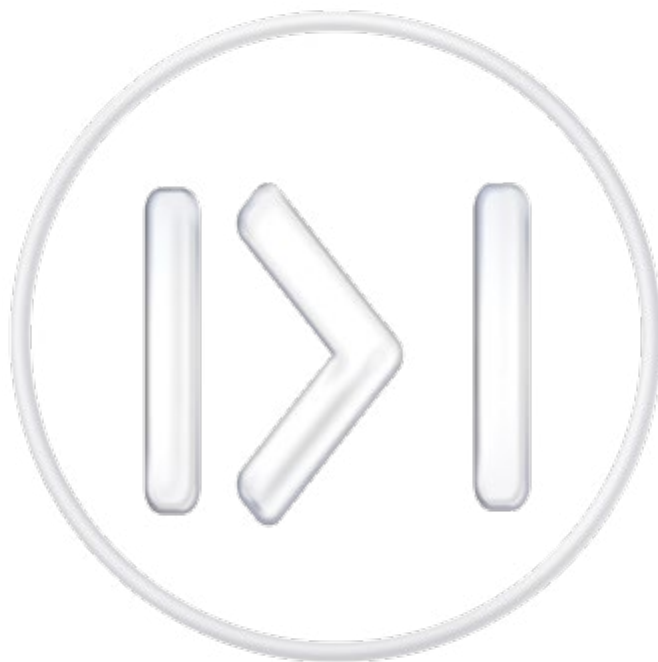
▶ A Scopitone performance on Thursday evening

▶ Artistic installations in the city

▶ Scopitone concerts of electronic music on Friday and Saturday

▶ The installation EOTONE that will be presented in Montreal, Nantes, Rennes and Quebec

And much more events on [www.nantesdigitalweek.com](http://www.nantesdigitalweek.com)



2014 **DIGITAL INTELLIGENCE**  
INTELLIGENCES NUMÉRIQUES