**Wednesday 20 March**
Symposium 1 – ROOM A - Sharing Live User Experience: How New Mixed Reality Technologies and Networks Support Real-Time Interactions - 10h – 12h30
Symposium 2 – ROOM A - VR, Serious Game and Interactive Storytelling based training/education - 14h-18h

**Thursday 21 March**
Symposium 3 – ROOM B - Mobile Immersion and Augmented Reality - 9h – 12h
Symposium 4 – ROOM A - A New Kind of Art - 10h – 17h

**Friday 22 March**
Symposium 5 – ROOM A - ReVolution Session - 9h – 11h
Symposium 6 – ROOM A - The Progress and Uncertainties of Human-Robot Relationships - 11h – 16h

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**Symposium 20 March – VRIC 2013**

### Symposium 1 – ROOM A ········· Sharing Live User Experience: How New Mixed Reality Technologies and Networks Support Real-Time Interactions ·········· 10h – 12h30

Chair: Marc Pallot, Nottingham University Business School, UK and Collaborative Engineering, Italy
Co-Chairs: Petros Daras, CERTH-ITI, Greece

10h: **(1-9) Immersion, from Goggles to Transmedia** (Pierre Berger, Diccan.com, France)

10h20: **(2-13) SmurVEbox: A Smart Multi-User Real-Time Virtual Environment for Generating Character Animations**
(Ruediger Beimler, Gerd Bruder, Frank Steinicke, University of Wuerzburg, Germany)

10h40: **(3-12) Prototyping Natural Interactions in Virtual Studio Environments by Demonstration: Combining Spatial Mapping with Gesture Following**
(Dionysios Marinos, Björn Wöldecke, Chris Geiger, University of Applied Sciences Düsseldorf, Germany)

11h: **(4-16) Three-dimensional Monitoring of Weightlifting for Computer Assisted Training**
(Anargyros Chatzitofis, Nicholas Vretos, Dimitrios Zarpalas, Petros Daras, Centre for Research and Technology Hellas - Information Technologies Institute, Greece)

11h20: **(5-42) Augmented Sport: Exploring Collective User Experience**
(Marc Pallot, Collaborative Engineering, Italy, Remy Eynard, Benjamin Poussard, Olivier Christmann, Simon Richir, Arts et Metiers ParisTech, Angers)

11h40: **Sharing Live User Experience: 3D LIVE project**
Vision & Overview / The three scenarios: Jogging, Golfing and Skiing

12h30: **Lunch** break (Conference Lunch at Hotel Perier du Bignon if you bought a ticket when you have registered)

### Symposium 2 – ROOM A ········· VR, Serious Game and Interactive Storytelling based training/education ········· 14h – 18h

Domiitile Louardeaux, Heudiasyc UM7253, Université de Technologie de Compiègne
Valérie Gouranton, Team Hybrid (BUNRAKU), INSA Rennes, IRISA, Inria, France
Samir Garbaya, Le2i, INSTITUT IMAGE - ENSAM

14h: ******* OPENING KEYNOTE SPEAKER: VR, AR and Serious Games... What's Next? - March 20, 2013, 14h.**

Robert Stone, Professor, VR Pioneer, for his 25 years of working time in VR field, Human Interface Technologies (HIT) Team, Chair in Interactive Multimedia Systems within the College of Engineering and Physical Sciences at the University of Birmingham

15h: **(6-30 POSTER): Virtual Reality for Skin Exploration**
(Marie-Danielle Vazquez, Solène Mine, Olga Freis, Christine Jeanmaire, Gilles Pauvy, Alain Denis, BASF Beauty Care Solutions SAS France, Christophe Mion, Scalable Graphics, France)

15h10: **(7-17) - Low-Cost Simulation of Robotic Surgery**
(Kasper Grande, Rasmus Steen Jensen, Martin Kibsgaard and Martin Kraus, Aalborg University, Denmark)

15h30: **(8-28) - The effect of guided and free navigation on spatial memory in mixed reality**
(Alberto Betella, SPECS Lab - Universitat Pompeu Fabra, Spain, Enrique Martínez Bueno, SPECS Lab - Universitat Pompeu Fabra, Spain, Ulysses Bernardet, Simon Fraser University, Canada, Paul F. M. J. Verschure, SPECS Lab - Universitat Pompeu Fabra and ICREA, Spain)
15h50: Coffee break

16h15: (9-29) - The Ghost in the Shell Paradigm for Virtual Agents and Users in Collaborative Virtual Environments for Training (Thomas Lopez, Florian Nouviale, Valérie Gouranton and Bruno Arnaldi, INSA de Rennes, IRISA, INRIA France)

16h45: (10-38) - HUMANS: a HUman Models based Artificial eNvironments Software platform (Vincent Lanquepin, Domitile Lourdeaux, Camille Barot, Kevin Carpentier and Kahina Amokrane, Heudiasyc, Université de Technologies de Compiègne, France, Margaux Lhomme, USC-ICT, USA)

17h15: Panel “VR and training: a revolution?”

18h – End of symposium

20h – Gala Dinner

Thursday 21 March – VRIC 2013

Symposium 3 – ROOM B  Mobile Immersion and Augmented Reality  9h – 12h30
Chairs:  Prof. Samir Otmane, UEVE/IUT/Laboratoire IBISC EA 4526
       Dr. Jean Yves Didier, UEVE/UFR ST/ Laboratoire IBISC EA 4526

9h: – Keynote - DigitalOcean FP7 RSME: From underwater data collection to mobile immersion in augmented reality
    (Alain Dinis, VIRTUALDIVE SAS, France)

Full paper presentation:

10h: (11-4) DrillSample: Precise Selection in Dense Handheld Augmented Reality Environments (Annette Mosse1, Benjamin Venditti and Hannes Kaufmann, Interactive Media Systems Group, Vienna University of Technology, Austria)

10h30: (12-39) - Reducing the SLAM drift error propagation using sparse but accurate 3D models for Augmented Reality applications (Maxime Boucher, Fakhir-Eddine Ababsa and Malik Mallem, University of Evry, France)

11h00: (13-5) - 3D Touch and HOMER-S: Intuitive Manipulation Techniques for One-Handed Handheld Augmented Reality
    (Annette Mosse1, Benjamin Venditti and Hannes Kaufmann, Interactive Media Systems Group, Vienna University of Technology, Austria)

Poster presentation:

11h30: (14-8-POSTER) - Layered Shadow: Multiplexing Invisible Shadow Using Infrared Lights with Different Wavelengths
    (Saki Sakaguchi, Takuma Tanaka and Mitsunori Matsushita, Kansai University, Japan)

11h40: (15-11-POSTER) - Mixed Reality with Multimodal Head-mounted Pico Projector (Antti Sand and Ismo Rakkolainen, University of Tampere, Finland)

11h50: (16-3-POSTER) - Leveraging Technology To Become A Better Lawyer (John Niman, United States)

12h: end of symposium

12h30: Lunch break (Conference Lunch at Hotel Perier du Bignon if you bought a ticket when you have registered)

Symposium 4 – ROOM A  A New Kind of Art  10h – 17h
Chair: Alain LIORET, Arts et Technologies de l’Image, Université Paris VIII, France

10h: (17-37) Aesthetics and Algorithms: around the Uncanny Peak
    (Pierre Berger, Algoristes, France)

10h30: (18-34) Ideas about VR&AR as a new genre in fine arts
    (Suzanne Beer and Judith Guez, INREV, Université Paris VIII)

    (Everardo Reyes-Garcia, University of Paris 13, France)
11h30 Coffee break

11h45: (20-18) **Scale Based Model for the psychology of crowds into virtual environments**
(Fabien Tschirhart, Arts et technologies de l'image - Université de Paris VIII, France)

12h15: **Qui est ce Nuage ?** Demo by Lola B.Deswarte

12h30: **Lunch** break (Conference Lunch at Hotel Perier du Bignon if you bought a ticket when you have registered)

14h: (21-14) >>>> Keynote Speaker: Chance and Complexity: Stochastic and Generative Processes in Art and Creativity-
March 21, 2013, 14h. Alan Dorin, Monash University, Australia - Artificial Life researcher and electronic media artist

15h: (22-22) **Hybridization between brain waves and painting**
(Yiyuan HUANG, University Paris 8, China)

15h30: Coffee break

15h45: (23-24 – Poster) **Conduit d'Aération – writing and performing a narrative hypertext**
(Lucile HAUTE, EnsAD / Université Jean Monnet, France, Alexandra SAEMMER, Odile Farge, Université Paris 8, France)

16h15: (24-32) **Virtual stage sets in live performing arts (from spectator to spect-actor)**
(Farah Jdid, Alain Lioret, Université Paris 8, France, Simon RICHIR, Arts et Métiers ParisTech, France)

16h45: From heritage knowledge capitalization to cultural mediation thanks to augmented digital technologies:
experimentation at the Museum of Nantes History. Demo by Florent Laroche, ECN, France

17h – End of symposium

19h – Laval Virtual 2013 Awards Ceremony (in Laval Grand Theatre) – The ceremony will be followed by a cocktail.

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**Friday 22 March – VRIC 2013**

Special Session (Symposium 5) – ROOM A ********** ReVolution Session ********** 9h – 11h
Chair: Akihiko SHIRAI, Ph.D, Associate Professor, Department of Information Media, Kanagawa Institute of Technolgy (KAIT)

This session share the best projects selected this year for ReVolution (= VRIC Demo Session in the exhibition)
(15 min talk + 5 min discussion in maximum)

9h: (14-8) **Layered Shadow: Multiplexing Invisible Shadow Using Infrared Lights with Different Wavelengths** (Saki Sakaguchi, Takuma Tanaka and Mitsunori Matsushita, Kansai University, Japan)

9h20: (25-15) **Serious Dietary Education System for Changing Food Preferences “Food Practice Shooter”** (Takayuki Kosaka, Kanagawa Institute of Technology, Takuya Iwamoto, Japan Advance Institute of Science and Technology, Japan)

9h40: (26-31) **AquaTop Display** (Yasushi Matoba, Yoichi Takahashi, Taro Tokui, Shin Phuong, Hideki Koike, University of Electro-Communications, Tokyo, Japan)

10h: (27-20) **Resolution of Sleep Deprivation Problems using ZZZoo Pillows** (Shunsuke Yanaka, Motoki Ishida, Takayuki Kosaka, Motofumi Hattori, Hisashi Sato, Kanagawa Institute of Technology, Japan)

10h20: (28-10) **TSUMIKI CASTLE:Interactive VR System Using Toy Blocks** (Junnosuke Nagai, Tsuyoshi Numano, Takafumi Higashi, Kazunori Miyata, Japan Advanced Institute of Science and Technology, Japan, Mattheiu Tessier, L'Ecole de Design de Nantes Atlantique, Arts et Métiers ParisTech, France)

10h40: (29-7) **Manga Generator: Immersive Posing Role Playing Game in Manga World** (Yuto NARA, Genki KUNITOMI, Yukua KOIDE, Wataru FUJIMURA, Akihiko SHIRAI, Kanagawa Institute of Technology, Japan)
Symposium 6 – ROOM A The Progress and Uncertainties of Human-Robot Relationships 11h – 16h
Chair: Colin Schmidt, Arts et Metiers ParisTech, Presence & innovation, LAMPA (EA1427), Laval.

11h00: (30-21) - In the Image of the Image? From Imago Dei to Imaging the Human in the Robotic Gaze (Scott Midson, University of Manchester, UK)

11h30 (31-19) - The Metaphysical Cyborg (Damien Williams, USA)

12h00: (32-23) - Pro and cons Singularity. Kurzweil and its Critics (Bogdan Popoveniuc, “Ștefan cel Mare” University of Suceava Romania)

12h30: Lunch break (Conference Lunch at Hotel Perier du Bignon if you bought a ticket when you have registered)


15:00 (33-40) - From a robot-loving nonetheless robot-skeptical point of view: should we engineer robots or society? (Sylvie Allouche, University of Bristol, UK)

15h25 (34-36) - Terminator Niches (Tommaso Bertolotti, Lorenzo Magnani, University of Pavia, Italy)

16h: End of VRIC 2013 Conference & Laval Virtual professional exhibition

Please register on www.laval-virtual.org

VRIC 2013 Conference Chair: Simon RICHIR, Arts et Métiers ParisTech, France
Proceedings published by ACM on http://dl.acm.org/