

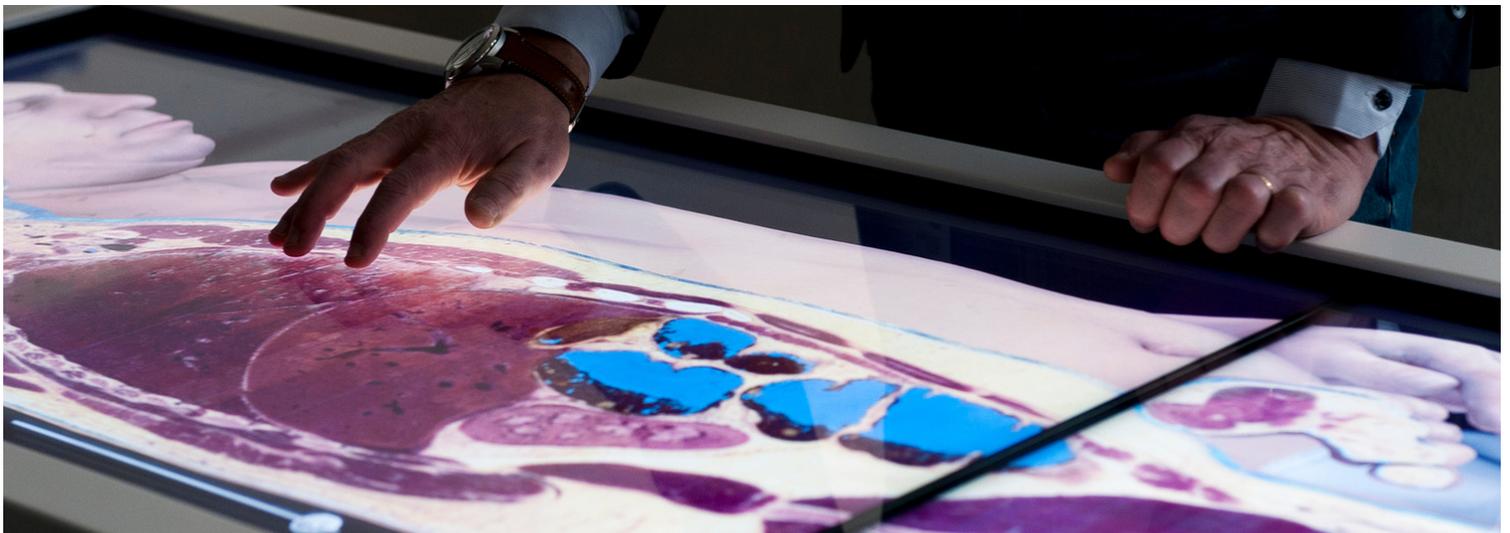
# 1<sup>ST</sup> INTERNATIONAL CONFERENCE FOR MULTI-AREA SIMULATION

#ICMASim  
2019



8-10 OCT.  
2019  
ANGERS  
FRANCE

# Previsional program



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RECHERCHE ET DE  
L'INNOVATION

# Tuesday 8th October 2019

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- 11:00am** Opening of the registration of participants  
Visit of the exhibition
- 1:30pm - 1:45pm** Arrival of participants - Welcome Speech
- 1: 45pm - 2:45pm** **Opening plenary session**  
**The New Perspectives of Simulation**  
**Speaker :**
- **Jane Roche (SimAust)**
- 12:55pm - 4:15pm** **Parallel session- E-Health**  
**Speakers :**
- **Dalia Badawi ( Dasman Diabetes Institute )**
  - **Paul Wormeli (Wormeli Consulting)**
  - Development of connected medicine
  - Teleconsultations / Tele-expertise
- A health simulation scenario allows this interactive learning, without risks for patients, especially in medical practices with technological, psychological and ethical risks
- Parallel Session - Industry 4.0**  
**ISpeakers :**
- **Jeremy Millard (Danish Technological Institute)**
  - **Philippe Sheimann (TOP Global)**
- 4:15pm - 4:45pm** Coffee Break
- 4:45pm - 5:45pm** **Simulation and transports**  
**Keynotes :**
- **Pr. Andras Kemeny**
  - **Dr Hakim Mohellebi**
  - Digital tools for validating the operation of embedded systems
  - Improving passenger and crew safety
  - The resilience of systems
  - Reduction of CO<sup>2</sup>emissions
  - The question of the human factor
- 5:45pm - 6:30pm** **Plenary session- Technologies related to Simulation**  
**Speakers:**
- **Marc Boucker (EDF R&D)**
- 6:30pm - 9:00pm** Cocktail Networking - Centre de Congrès d'Angers  
Privileged time between delegates and private actors of Simulation

# Wednesday 9th October 2019

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- 08:30am - 10:00am** **Plenary Session - Simulation and extreme conditions : Space Exploration, simulation in radioactive environment**  
**Open to the public**  
**Keynotes:**
- Philippe Kessler (Groupe Intra)
  - Yinghui Li (Programme Spatial Chinois)
- 10:00am - 10:30am** Coffee Break  
Exhibition, Village Start-Up, Experience Lab
- 10:30am - 11:15am** **Plenary Session - Simulation and technologies for assessment and rehabilitation**  
**Speaker :**
- Pr. Takehiko Yamaguchi (Suwa University of Science)
  - Virtual Reality / Augmented Reality
  - Artificial Intelligence
  - Supercomputers
  - Haptic Simulation
- 11:15am - 12:30am** **Parallele Session - The Ethic linked to Simulation**
- ICMASim aims to reflect on the ethics of simulation and ethical simulation through many professional experiences.  
The questions posed could be non-exhaustive: what are the ethical standards of simulation teaching (and its evaluation)?  
What are the limits? Is it necessary to have formal proof of its effectiveness or is it ethical not to do a simulation?
- Parallele Session - Simulation and Microgravity**
- 12:30am - 2:00am** Lunch  
Poster  
**Workshop - To the high fidelity from all virtual, advantages and drawbacks**  
**Speakers:**
- Philippe Fauquet-Alekhine (EDF)
  - Marion Buchet (Armée de l'air)
  - Paul Richard (Université d'Angers)
  - Marie-Stéphanie Bracq
- Exhibition, Start-Up Village, Experience Lab
- 2:00am - 4:00am** **Plenary Session- Simulation and training**
- Evaluation of educational Solutions / Interprofessionalization / Training Description
- Open to schools and Universities**  
Simulation training has become an indispensable tool for vocational training in complex socio-technical systems. Technological progress is constantly improving and transforming simulation tools, which has an impact on teaching and learning methods which are also changing or on the way in which skills are assessed by the simulation. The aim of the workshop is to present and share innovative methods recently developed, tested and/or applied in these fields in order to promote their dissemination but also to initiate a critical exchange between industrialists and academics.



4:00pm - 4:30pm Coffee Break  
Exhibition, Start-Up Village, Experience Lab

4:30pm - 5:30pm **Plenary Session - Risks prevention and crisis management**  
**Speakers:**  
• **Geovanny Marchand (Vinci Energies)**

The prevention of risks can be achieved at several levels, between the assessment of risks, the adaptation of equipment and working methods, the design of workstations, risk mitigation and first and foremost risk perception by field experts and managers. At each of these stages, the simulation can be used to test scenarios, to find more suitable methods or equipment, and more relevant risk mitigation measures, and above all to set in motion our various representations of risks, for a more accurate and more adapted to reality, for the different actors of prevention, and that it is done at the level of safety in production, or safety at work, including psychosocial risks such as preparing for risky situations.

Whatever the sector of activity, crisis situations can arise such as a natural disaster, an industrial accident, a health crisis, a collective accident, an attack, an aeronautical accident, ... you can also encounter internal crises such as a crisis situation in the operating room, in a cockpit, etc. In order to manage crisis situations, transversal skills are needed, such as operational and strategic management, decision-making, communication, etc. regardless of the sector. Interdisciplinarity plays an essential role in these situations.

5:30pm - 6:30pm **Workshop - Simulation and Cybersecurity**

The cyber threat to our computer systems is characterized by its diversity and unpredictability. It's the technical administrators first. They are already armed with a solid computer culture, which must however be fed regularly on the state of the art of the threat and on how to take it into account. It is then the business of any user, usually little or poorly aware of the problems of functioning of their computer, bugs like cyber attacks, for example. Links in the information system security chain need to be strengthened at all levels of use. For this, simulation can provide solutions for training or training of users, regardless of position, or for the study and development of procedures to deal with cyber attacks. Simulation builds tools for users to gain experience in a virtual environment. It also makes it possible to experiment with solutions in order to evaluate their effectiveness.

6:30pm - 7:30pm Closing with "The Communication Trophy" and the Start-Up Price

## Thursday 10th October 2019

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9:00am - 5:00pm Technical visits in companies  
Région Pays-de-la-Loire