

**INTERNATIONAL CONFERENCE ON HEALTH CARE SYSTEMS
ENGINEERING,**
Lyon, MAY 27th – 29TH, 2015

| Title | Authors | Session | Date |
|---|--|----------------------|-------------------------|
| A Discrete Event Simulation Model for the Admission of Patients in a Home Care Rehabilitation Service. | Azadeh Maroufkhani, Cecily Castelnovo, Ettore Lanzarone, Maria Di Mascolo. | Admission planning | Friday May 29, 12h00 |
| Scheduling Magnetic Resonance Imaging Examinations: an Empirical Analysis. | Filippo Visintin, Paola Cappanera. | Admission planning | Friday May 29, 12h30 |
| A Multi-objective Patient Admission Planning improving Resource Utilization under Bed Capacity Constraints. | Alain Guinet, Nadine Meskens, Tao Wang. | Bed management | Thursday May 28, 11h00 |
| Approach to Clustering Clinical Departments. | Alexander Hübner, Manuel Walther, Heinrich Kuhn. | Bed management | Thursday May 28, 11h30 |
| System Dynamics Modeling of Emergent and Elective Patient Flows. | Paolo Landa, Michele Sonnessa, Elena Tànfani, Angela Testi. | Bed management | Thursday May 28, 12h00 |
| Ambulance Location Problem with Stochastic Call Arrivals under Nearest Available Dispatching Policy. | Inkyung Sung, Taesik Lee. | Emergency management | Wednesday May 27, 16h30 |
| BED MANAGERS: the patient personal assistant. | Sylvie Meyran, Seren Schirra, Gaëlle Olleon, Estelle Forestier, Emmanuel Beaudry, Marie Lassaigne. | Emergency management | Wednesday May 27, 17h00 |
| How Do Missing Patients Aggravate Emergency Department Overcrowding? A Real Case and a Simulation Study. | Yong-Hong Kuo, Janny M.Y. Leung, Colin A. Graham. | Emergency management | Wednesday May 27, 17h30 |
| A Mean-Field Analysis for the Two-Tiered Healthcare Network through Nonlinear Markov Processes. | Na Li, Quanlin li, Ruina Fan. | Health care network | Friday May 29, 11h00 |
| Modeling human behavior in healthcare systems: is it possible and why should we do it? | Sally Brailsford | Keynote speakers | Thursday May 28, 8h30 |
| The Vaccine Supply Chain Decathlon: the Reconciliation of Technology, Economy and Humanity; | Nico Vandaele | Keynote speakers | Wednesday May 27, 15h00 |
| Management of Blood Donation System: Literature Review and Research Perspectives. | Seda Baş, Giuliana Carello, Ettore Lanzarone, Semih Yalçındağ, Zeynep Ocak | Health care network | Friday May 29, 11h30 |

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|---|---|----------------------------|------------------------|
| Multi-Criteria Decision Making approaches to Prioritize Surgical Patients. | Angel Ruiz, Samira Abbasgholizadeh Rahimi, Afshin Jamshidi, Daoud Ait-Kadi. | Operating Theatre planning | Thursday May 28, 13h30 |
| An optimization model for sequence dependent parallel operating room scheduling. | Johan Holmgren, Marie Persson. | Operating Theatre planning | Thursday May 28, 14h00 |
| A goal-programming approach to the master surgical scheduling problem. | Paola Cappanera, Filippo Visintin, Carlo Banditori. | Operating Theatre planning | Thursday May 28, 14h30 |
| A managerial use of the volume-outcome association for hospital planning. | Arianna Alfieri, Elisabetta Listorti, Andrea Matta. | Resource dimensioning | Thursday May 28, 9h30 |
| Staffing Ratio Analysis in Primary Care Redesign: A Simulation Approach. | Xiang Zhong, Hyo Kyung Lee, Molly Williams, Sally Kraft, Jeffrey Sleeth, Richard Welnick, Lori Hoschild, Jingshan Li. | Resource dimensioning | Thursday May 28, 10h00 |
| Crisis management plan: preventive measures and lessons learned from a major computer system failure. | Hélène Grange, Jérémie Leynon. | Risk management | Friday May 29, 8h30 |
| Markov Decision Process Model for Patient Admission Decision at an Emergency Department in Disasters. | Hyun-Rok Lee, Taesik Lee. | Risk management | Friday May 29, 9h00 |
| Systems approach for preventing falls in hospitals and nursing homes using sensing devices surrounding the patient's bed. | Masato Takanokura, Masafumi Miyake, Masaru Kawakami, Tetsuo Yamada, Seiko Taki, Munenori Kakehi. | Risk management | Friday May 29, 9h30 |
| Disease prevention and control plans: state of the art and future research guideline. | Wanying CHEN, Alain GUINET, Angel Ruiz. | Risk management | Friday May 29, 10h00 |