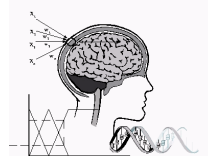




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Data driven models for health care systems

**Name, title and affiliation of Chairs:**

Prof. dr. Dalia Kriksciuniene, Vilnius University, Lithuania, [dalia.kriksciuniene@knf.vu.lt](mailto:dalia.kriksciuniene@knf.vu.lt)  
Prof. dr. Virgilijus Sakalauskas, Vilnius University, Lithuania, [virgilijus.sakalauskas@knf.vu.lt](mailto:virgilijus.sakalauskas@knf.vu.lt)  
Prof. Didier VINOT, Université Jean Moulin Lyon 3, France, [didier.vinot@univ-lyon3.fr](mailto:didier.vinot@univ-lyon3.fr)  
Dr. BOGAERT Brenda, Université Jean Moulin Lyon 3, France, [brenda.bogaert@univ-lyon3.fr](mailto:brenda.bogaert@univ-lyon3.fr)

**Details of Session:**

We invite researchers and practitioners to share their research experience and domain knowledge for discussing innovative concepts and design of health care systems, based on person health data profile. The thematic scope of the session covers methodologies of capturing personal health data and their handling by seamless integration to institutional healthcare systems and data analysis environments, by applying contemporary computational intelligence methods, as well as case of their application in healthcare domain.

**The topics of interest**

- Advanced knowledge-based information systems for health care
- Dimensions and metrics for monitoring efficiency in health cost containment and quality
- Advanced research and case studies of application computational methods for person centred healthcare and health promotion
- Artificial intelligence for handling healthcare data
- Process and requirements analysis for person centred healthcare and health promotion models
- Information systems in e-health
- Development of integrated solutions in medical and care science for cost containment combined with quality of care
- Investigation of measures and metrics to evaluate innovative cost containment models
- Intelligent modelling of logistic and organisational parameters for the design of large scale testing of innovative healthcare

**Website URL (if any):****Email & Contact Details:**

Prof. dr. Dalia Kriksciuniene, Vilnius University, Lithuania, [dalia.kriksciuniene@knf.vu.lt](mailto:dalia.kriksciuniene@knf.vu.lt)  
Prof. dr. Virgilijus Sakalauskas, Vilnius University, Lithuania, [virgilijus.sakalauskas@knf.vu.lt](mailto:virgilijus.sakalauskas@knf.vu.lt)  
Prof. Didier VINOT, Université Jean Moulin Lyon 3, France, [didier.vinot@univ-lyon3.fr](mailto:didier.vinot@univ-lyon3.fr)  
Dr. BOGAERT Brenda, Université Jean Moulin Lyon 3, France, [brenda.bogaert@univ-lyon3.fr](mailto:brenda.bogaert@univ-lyon3.fr)