



## INVITED SESSION SUMMARY

**Title of Session:**

**Intelligent models for quality and cost containment in 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)

**Details of Session:**

We invite researchers and practitioners to share their research experiences and domain knowledge in application of contemporary computational intelligence methods for increasing efficiency of health care systems.

The emerging costs for healthcare are becoming a major problem of the society (EU wide 1,400 billion/year). While the rising trend in costs is continuous and significant, the efficiency still can be improved by developing innovative care models. The proposed session aims to enable breakthrough in the field of cost-containment in healthcare while also maintaining the quality of health care.

**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

The session topics support the research of COST action "European Network for cost containment and improved quality of health care" [http://www.cost.eu/COST\\_Actions/ca/CA15222](http://www.cost.eu/COST_Actions/ca/CA15222)

Please submit your paper using the PROSE online submission:  
<http://inmed-19.kesinternational.org/prose.php>.

**Important Dates and Deadlines:**

Submission of Papers: **28 Feb 2019**  
Notification of Acceptance: 10 March 2019  
Upload Final Publication Files: 15 March 2019  
Conference Sessions: 17 - 19 June 2019

**Publication:** Accepted papers will be published by Springer in a volume of the Book Series entitled: "Smart Innovation, Systems and Technologies Series" <http://www.springer.com/series/8767> .  
Please visit the conference web site (<http://inmed-19.kesinternational.org/index.php> ) for detailed information about paper submission.

**Email & Contact Details:**

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