



# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

Title of Session: Digital Architecture and Economics for Internet of Things, Big data, Cloud and Mobile IT in Healthcare

Name of Chair:

Yoshimasa Masuda, Carnegie Mellon University, USA / Keio University, Japan  
Donald S. Shepard, Brandeis University, USA  
Yoshiaki Fukami, Keio University / Gakushuin University, Japan  
Shuichiro Yamamoto, Nagoya University, Japan

Details of Session:

Digital healthcare is a growing field with promising economic potential. To best realize this potential, it is important to consider the digital architecture linking many of its key components. These include the internet of things, big data, cloud/mobile, and incentives to patients and organizations to improve services. These contribute to benefits to the society and efficiencies and/or profit to the organizations. The purpose of this invited session is to share promising trends, innovative ideas, new methods in digital architecture, recent economic analysis and advanced research results in digital healthcare fields.

List of topics of interest

- healthcare innovation
- data platforms in healthcare (electronic healthcare records, electronic medical records, data standards)
- predictive analytics on cloud and mobile IT platforms
- healthcare management on cloud and mobile IT platforms
- healthcare
- economic analysis in digital healthcare
- internet of things in healthcare
- medical internet of things, medical system management and governance
- big data in healthcare (clinical decision support systems, etc.)
- telehealth, computerized physician order entry
- healthcare service delivery on digital platforms
- telemedicine, digital pharmacy
- healthcare robotics
- robotics with digital platforms in healthcare
- technology enabled healthcare services

please submit your 5 to 10 pages paper using the conference web page.

<http://inmed-21.kesinternational.org/prose.php>

### Important Dates and Deadlines

Submission of Papers: 10 Feb 2021  
Notification of Acceptance: 28 Feb 2021  
Upload Final Publication Files: 10 March 2021  
Conference Sessions: 14 - 16 June 2021

Publication: Accepted papers will be published by Springer in a volume of the Book Series entitled:

“Smart Innovation, Systems and Technologies Series”

<https://www.springer.com/series/8767>

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Website URL (if any):

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