Call For Papers: JIST 2018 Special Session

1 Semantic Web for Life Sciences

The massive, high-quality life sciences databases present a significant analytical challenge due to their complexity and heterogeneous nature. The lack of well-defined standards of formats makes it tedious for bioinformaticians and other researchers alike to obtain data before they can conduct analysis and visualisation. Semantic Web technologies can contribute to discovering knowledge such as drug discovery and protein pathway prediction, which would be a huge contribution to the biology community. This special track focuses on applying Semantic Web technologies to life sciences data, such as knowledge representation, data integration, and knowledge discovery, and reasoning, etc.

2 Topics of interest

Topics of interest include but are not limited to:

- Schema Modelling for Bioinformatics
- Knowledge Representation for Bioinformatics
- Data Integration for Bioinformatics
- Tools and Applications for Bioinformatics
- Ontology Mapping, Merging, and Alignment for Biomedical Informatics
- Visualisation of Biomedical Data
- Knowledge Discovery from Life Science Data
- Semantic Web for Health Care
- Reasoning on Life Science Data

3 Review Criteria

Papers in this session will be reviewed according to the following criteria:

- Originality
- Novelty
- Significance of the research contributions
- Clarity and quality of presentation

4 Important Dates

Timeline of this special track is the same as the JIST2018 main technical track. Please refer to JIST2018 website for more details.

5 Submission

The papers submitted to special sessions are handled as regular or short papers, which should not be longer than 16 or 8 pages including references, respectively.

6 Special Session Chairs

- **Hong-Gee Kim**

  Director, Biomedical Knowledge Engineering Laboratory, Seoul National University (SNU BiKE), Korea.

- **Yuan-Fang Li**

  Senior Lecturer, Faculty of Information Technology, Monash University, Australia.

- **Lihua Zhao**

  Researcher, Service Intelligence Research Team, Artificial Intelligence Research Center,National Institute of Advanced Industrial Science and Technology (AIST), Japan.

7 PC members

- **JinHyun Ahn**

  Assistant Professor, MIS Dept. Jeju National University, Korea.

- **Ali Hasnain**

  Post Doctoral Researcher, Insight Centre for Data Analytics, Ireland.

- **Ryutaro Ichise**

  Associate Professor, Principles of Informatics Research Division, National Institute of Informatics, Japan.

- **DongHyuk Im**

  Assistant Professor, Computer Engineering Dept. Hoseo University, Korea.

- **EungHee Kim**

  Assistant Professor, Software Engineering Dept. Sunmoon University, Korea.

- **Piljong Kim**

  Senior Researcher, Biomedical Knowledge Engineering Lab, Seoul National University, Korea.

- **Norio Kobayashi**

  Senior Scientist, RIKEN, Japan.

- **Kertkeidkachorn Natthawut**

  Researcher, Artificial Intelligence Research Center,National Institute of Advanced Industrial Science and Technology (AIST), Japan.

- **Khai Nguyen**

  Project Researcher, National Institute of Informatics, Japan.

- **Jeff Z. Pan**

  Leader of the Knowledge Technology (KT) Group, Department of Computing Science, The University of Aberdeen, UK.

- **Aman Shakya**

  Assistant Professor, Dept. of Electronics and Computer Engineering, Tribhuvan University, Nepal

- **Dezhao Song**

  Senior Research Scientist, Thomson Reuters, USA.

- **Cui Tao**

  Associate Professor, University of Texas Health Science Center at Houston, USA.

- **Honghan Wu**

  Research Fellow, Department of Biostatistics and Health Informatics King's College London London, UK.

- **Atsuko Ymaguchi**

  Project Associate Professor, Database Center for Life Science (DBCLS), Japan.