Symposium on Deep Learning and Artificial Intelligence

Programme

Wednesday October 12th, 2016

Venue: The University of Tokyo, Hongo Campus, Koshiba Hall

08:30	***Opening of Registration***
09:00 – 09:05	**Welcome address** **Toshiya Watanabe, Vice President, The University of Tokyo**
09:05– 09:15	**Keynote address: Artificial Intelligence and society: the challenges ahead** **Yuko Harayama, Executive Member, Council for Science, Technology and Innovation (CSTI), Cabinet Office of Japan**
09:15– 09:20	**Evelyne Etchebéhère, Embassy of France in Japan** **Introduction and objectives of the symposium**
Session 1	***Panorama of Deep Learning / Chairman: Evelyne Etchebéhère, Embassy of France in Japan***
09:20 – 09:45	**Science for machine learning, Machine learning for science** **Ichiro Sakata, The University of Tokyo**
09:45 – 10:10	**The rebirth of neuromorphic systems: a step towards a new generation of more intelligent machines?** **Marc Duranton, CEA Tech**
10:10– 10:35	**The power of networked information to support research communities** **Olivier Dumon, Managing Director, Research Products, Elsevier**
10:35– 10:45	**France-Japan collaboration on Deep Learning and Artificial Intelligence** **Yan-Tarō Clochard, Embassy of France in Japan**
10:45– 11:05	**Coffee break & Group picture**
Session 2	***Machine Learning applications for transportation / Chairman: Ichiro Sakata, The University of Tokyo***
11:05– 11:30	**Deep Learning for autonomous vehicle** **Seigo Watanabe, Nissan Motor Co, Ltd**
11:30– 11:55	**Low-power neural processor for embedded vision applications: application to railway** **Michel Paindavoine, Global Sensing Technologies**

11:55– 12:20	**Deep learning as a new programming paradigm** **Hiroshi Maruyama, Preferred Networks, Inc.**
12:20 – 13:20	**Lunch break**
Session 3	***Deep Learning for decision support and security / Chairman: Olivier Dumon, Elsevier***
13:20 -13 :45	**Evidence retrieval and classification for debate-based decision support** **Kohsuke Yanai, Hitachi Center for Exploratory Reseach Security of transactions**
13:45 – 14:10	**Deep Learning for optimal Decision Making** **Michele Sebag, CNRS**
14:10 – 14:35	**Lecture on transliteration with VoiceTra English demo** **Andrew Finch, NICT**
14:35– 15:00	**Deep/Representation Learning for anomaly and fraud detection** **Amaury Habrard, Saint-Etiennne University, Lyon University, LabHC/CNRS**
15:00– 15:25	**Machine learning framework for global earth observations** **Ryosuke Nakamura, Artificial Intelligence Research Center (AIRC, AIST)**
15:25– 15:45	**Coffee Break**
Session 4	***Artificial Intelligence for vision and manufacturing / Chairman: Marc Duranton***
15:45 – 16:10	**Machines that improve: potentials of Deep Learning with manufacturing in Japan** **Yutaka Matsuo, The University of Tokyo**
16:10– 16:35	**AI and Deep learning challenges for visual recognition** **Matthieu Cord, Pierre et Marie Curie University (UPMC), CNRS**
16:35 – 17:00	**Robot system handling unknown objects by deep learning** **Tetsuya Ogata, Waseda University**
17:00 – 17:25	**DS 3DEXPERIENCE platform, a business foundation to realize the next industrial revolution with Artificial Intelligence and Deep-Learning** **Claude Bourbigot, Dassault Systemes**
17:25 – 17:45	***Wrapping up by the chairmen of the sessions***
17:45 – 17:50	**Closing remarks by Jacques Maleval, Science Counsellor at the Embassy of France in Japan**
18:45 – 20:45	**Reception at the Residence of France**

Scientific chairs: Prof. Ichiro Sakata, Dr. Marc Duranton, CEA Tech