



Symposium to commemorate the 20th anniversary of
Science and Technology of Advanced Materials (STAM)

Open Science and Materials Research

— Frontiers of Materials Future using Open Data —

Friday, November 1, 2019 Sanjo Conference Hall, The University of Tokyo



Part I Leading Journals in Materials Research

- 13:00 Opening congratulatory address
Teruo Kishi, *Honorary Editor of STAM*
- 13:05 Congratulatory address: Expectations of International Journals
Hiroki Kurosawa, *Director of Materials Science and Nanotechnology Division, Ministry of Education, Culture, Sports, Science and Technology (MEXT)*
- 13:10 Welcome address: New Editorial Policy
Kazuhiro Hashimoto, *New Editor-in-Chief of STAM / President of NIMS*
- 13:15 Invited lecture: International Journal and Open Data
Gian-Luca Bona, *Advisory Member of STAM / CEO, Swiss Federal Laboratories for Materials Science and Technology (Empa)*
- 13:30 Invited lecture: Open Data Strategies
Takahiro Ueyama, *Executive Member of the Council for Science, Technology and Innovation (CSTI), Cabinet Office*
- 13:45 STAM overview: Materials Science and STAM for 20 years and Strategies for STAM as Data Journal
Masanobu Naito, *Deputy Editor of STAM, National Institute for Materials Science*
- 14:05 Invited lecture: The Current Status and Activities of Materials R&D with AI and Big Data Around Silicon Valley (and beyond)
Nitin Kumar, *CEO, Nuron*

Part II STAM Awards Ceremony

- 14:40 2019 STAM Best Paper Award & Best Contribution Award Ceremony
- 14:45 Commemorative lecture for the STAM Best Paper Award
Stéphane Gorsse, *University of Bordeaux*

15:00 – 15:20 *Coffee Break*

Part III Open Science and Open Data

- 15:20 Polymer Informatics: Present and Future Perspectives
Ryo Yoshida, *Professor, The Institute of Statistical Mathematics*
- 15:40 NIMS Structural Materials Data Sheets
Kota Sawada, *National Institute for Materials Science*
- 16:00 Quest for AI/Robot-driven Materials Research
Taro Hitosugi, *Professor, Tokyo Institute of Technology*
- 16:20 Data-driven Exploration of New Superconductors under High Pressure
Yoshihiko Takano, *National Institute for Materials Science*
- 16:40 From Material Data To Material Information ~Data is Waiting to be Analyzed
Yasunobu Ando, *National Institute of Advanced Industrial Science and Technology*
- 17:00 Data-driven Nanomechanical Sensing for Odor Analysis
Ryo Tamura, *National Institute for Materials Science*
- 17:20 Closing address
Yasuo Koide, *Executive Vice President of NIMS*