

NIMS Award and Academic Symposium

Wednesday, October 30, 2019 | 10am ~ 6pm

Tokyo International Forum, Hall B5

Simultaneous interpretation service (English-Japanese) is available

NIMS Award Ceremony and Winning Lecture

Gerbrand Ceder, Ph.D.

Professor, University of California, Berkeley

Modeling and Data-Driven Synthesis Modeling



Pierre Villars, Ph.D.

Director and Owner, Material Phases Data System

Principal Concept of Database Creation Aiming
Holistic Views on the Fundamentals of
Materials Science



Symposium Invited Speakers

Alan Aspuru Guzik, University of Toronto

Brian E Hayden, University of Southampton

Surya Kalidindi, Georgia Institute of Technology

Koji Tsuda, The University of Tokyo

Yaroslava Yingling, North Carolina State University

Call for Posters!

<https://www.nims.go.jp/nimsweek/day2.html#poster>



NIMS Award Ceremony and Academic Symposium

Wed. October 30, 2019 | Tokyo International Forum, Hall B5

9:30~10:00	Registration	
10:00~10:05	Opening Remarks	President Kazuhito Hashimoto
10:05~10:20	NIMS Award Ceremony	
10:20~11:05	NIMS Award Winning Lecture (1) Prof. Gerbrand Ceder University of California, Berkeley (USA) Modeling and Data-Driven Synthesis Modeling	
11:05~11:50	NIMS Award Winning Lecture (2) Dr. Pierre Villars Material Phases Data System (Switzerland) Principal Concept of Database Creation Aiming Holistic Views on the Fundamentals of Materials Science	
11:50~1:30	Lunch and Poster Session	
1:30~2:00	Invited Talk 1 Koji Tsuda NIMS/The University of Tokyo	Machine Learning for Materials Discovery
2:00~2:30	Invited Talk 2 Brian E Hayden University of Southampton (UK)	Materials Development in the Energy and Electronics Sectors through Combinatorial Synthesis, High-Throughput Screening and Machine Learning
2:30~2:45	NIMS Talk 1 Randy Jalem	Smart and Data-efficient Exploration of Novel Solid Electrolytes by DFT and Machine Learning
2:45~3:15	Invited Talk 3 Yaroslava Yingling North Carolina State University (USA)	Challenges and Solutions in Soft Materials Informatics
3:15~3:30	NIMS Talk 2 Masanobu Naito	Practical Application of Machine Learning for Soft Matters
3:30~4:15	Coffee Break and Poster Session	
4:15~4:45	Invited Talk 4 Surya R. Kalidindi Georgia Institute of Technology (USA)	Materials Innovation Driven by Data and Knowledge Systems
4:45~5:00	NIMS Talk 3 Masahiko Demura	Data-scientific Approaches in Materials Integration
5:00~5:30	Invited Talk 5 Alan Aspuru Guzik University of Toronto (Canada)	From the Harvard Clean Energy Project to Self-Driving Laboratories: A Journey in Materials Discovery
5:30~5:45	NIMS Talk 4 Masashi Ishii	From Data Extraction to Data Utilization: Techniques for Practical Use of NIMS Materials Database
5:45~6:00	Poster Award Ceremony, Closing	