

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

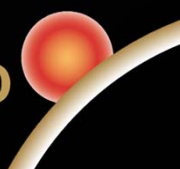
Surya Kalidindi, Georgia Institute of Technology

Koji Tsuda, The University of Tokyo

Yaroslava Yingling, North Carolina State University

Call for Posters!

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



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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	