

AtomDeC 1st International Symposium

Kick-off symposium of “Atomic Design of Carbon-Based Materials for New Normal Society”



January 18-19, 2022
Online (Zoom)



Narodowe Centrum
Badania i Rozwoju



- Supported by JST SICORP; Materials-Measurement Hybrid Research Center, Tohoku University; the National Centre for Research and Development; Slovak Academy of Sciences and Institute of Inorganic chemistry, Bratislava, Slovakia; and National Research, Development and Innovation Office of Hungary.
- This is a close meeting for AtomDeC members and advisors.

Chair:

Prof. Hirotomo Nishihara (AIRM, Tohoku University) hirotomo.nishihara.b1@tohoku.ac.jp

Program

January 18, Starting time: 6:00 PST / 8:00 CST / 9:00 EST / 14:00 GMT / 15:00 CET / 23:00 JST

14:00 – 14:10 (GMT): Opening remarks (Prof. Hirotomo Nishihara)

14:10 – 14:35 (GMT): Self-introduction of Advisory Board Members (5 minutes for each)

- Dr. Stephan Irle / Oak Ridge National Laboratory, USA
- Prof. Ljubisa Radovic / The Pennsylvania State University, USA
- Prof. Magda Titirici / Imperial College London, U.K.
- Prof. Diego Cazorla-Amorós / Universidad de Alicante, Spain
- Prof. Siegfried Eigler / Freie Universität Berlin, Germany

14:35 – 14:50 (GMT): Introduction of WP1 (10 min) and discussion (5 min)
Hirotomo Nishihara / Tohoku University, Japan

14:50 – 15:07 (GMT): Introduction of WP2 (12 min) and discussion (5 min)
Monika Michalska / VŠB-Technical University of Ostrava, Czech

15:07 – 15:24 (GMT): Introduction of WP3 (12 min) and discussion (5 min)
Tamás Szabó / University of Szeged, Hungary

15:24 – 15:38 (GMT): Introduction of WP4 (12 min) and discussion (5 min)
Eva Scholtzová / Inst of Inorg Chem, Slovak Academy of Sciences, Slovakia
Róbert Szilágyi / The University of British Columbia, Canada

15:38 – 15:55 (GMT): Introduction of WP5 (12 min) and discussion (5 min)
Amrita Jain / Polish Academy of Sciences, Poland

January 19, Starting time: 6:00 PST / 8:00 CST / 9:00 EST / 14:00 GMT / 15:00 CET / 23:00 JST

14:00 – 14:40 (GMT): Poster preview (2 minutes x 13 posters)

14:40 – 15:10 (GMT): Poster presentation (@Zoom breakout rooms) Group A (P1-P7)

15:10 – 15:40 (GMT): Poster presentation (@Zoom breakout rooms) Group B (P8-P13)

15:40 – 15:50 (GMT): Remarks from Advisory board members

15:50 – 16:00 (GMT): Closing remarks (Prof. Hirotomo Nishihara)
Announcement of poster award winners

AtomDeC 1st International Symposium

Kick-off symposium of “Atomic Design of Carbon-Based Materials for New Normal Society”



January 18-19, 2022
Online (Zoom)



Narodowe Centrum
Badań i Rozwoju



Poster presentations

No.	Presenter	WP	Title
Group A			
P1	Wei Yu (Tohoku University)	WP1	Defect engineering in cathode carbon materials for Li-air batteries
P2	Ginga Nishikawa (Tohoku University)	WP1	TPD: A new analytical method for N-containing carbons
P3	Takeharu Yoshii (Tohoku University)	WP1	Ordered carbonaceous frameworks: A new class of metal/carbon materials based on atomic design
P4	Zhengze Pan (Tohoku University)	WP1	Microhoneycomb monoliths prepared by ice-templating approach
P5	Péter Nagy (University of Szeged)	WP3	Synthesis methods and Industrial applications of Waste generated graphene based nanocomposites
P6	Daniel Moreno (IIC SAS)	WP4	Characterisation of modified graphene structure by <i>ab initio</i> DFT method.
P7	Marcin Krajewski (IPPT PAN)	WP5	Production of one-dimensional functional nanomaterials through magnetic-field-induced synthesis
Group B			
P8	Rui Tang (Tohoku University)	WP1	Areal capacitance of mesoporous carbons with a few-layer graphene walls
P9	Vlastimil Matejka (VŠB-Technical University of Ostrava)	WP2	Doping of graphitic carbon nitride with phosphorus
P10	Péter Gyenes (University of Szeged)	WP3	Advanced carbon materials in membrane separation
P11	Kadosa Sajdik (University of Szeged)	WP3	Interaction between Graphene oxide and Serum Albumins in aqueous solutions
P12	Robert K. Szilagyí (UBC)	WP4	Ab initio simulation of mechanical properties and spin polarization in zeolite templated carbon
P13	Ali Haghghat (IPPT PAN)	WP5	Improving polymer solar cell efficiencies by employing hollow nanofibers.

- All poster presenters need to give a poster preview (a brief introduction of poster within 2 minutes by oral presentation).
- Poster presentation is performed at each breakout room of Zoom.
- There is no format of poster. The style is up to a presenter.
- Excellent posters will be awarded.