

"New directions of charged particle kinetics in low temperature plasmas" -more precision, more exploration, more discovery-

Workshop Organizer, Prof. Toshiaki Makabe (Keio Univ. Tokyo/Yokohama)

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1) Name and affiliation of the speakers, and the title of the talk:

- Professor Emeritus, **Helge R. Skullerud** (Trondheim Univ. of Technol.)
← "Developments in the kinetic theories of ion and electron swarms in the 1960's and 70's - in retrospect"
- Dr. **Sasa Dujko** (IOP Belgrade),
← "Kinetic and fluid descriptions of charged particle swarms in gases and nonpolar fluids: Theory and applications".
- Dr. **Jens Oberrath** (Leuphana Univ., Lüneburg),
← "Kinetic modeling of active plasma resonance spectroscopy".
- Prof. **Ronald White** (JCU, Townsville)
← "Challenge for more precise e- and ion-transport in gases and liquids".
- Dr. **G. J. M. Hagelaar** (Univ. of Toulouse, Toulouse)
← "Effect of Coulomb collisions on low temperature plasma characteristics"
- Dr. **Lee Chen** (Tokyo Electron America, Austin)
← "Paradigm shifts in plasma processing and application of fundamental kinetics to problems targeting 5 nm technology device technology"

2) Schedule for the talk and the workshop session:

Session I, Chair, Prof. S. Hamaguchi

11:00-11:30, (1) **Prof. Ronald White**

11:30-12:00, (2) **Dr. G.J.M.Hagelaar**

12:00-13:30, Lunch break

Session II, Chair, Prof. Z. Petrovic

13:30-14:30, (3) **Prof. Helge Skullerud** (Keynote)

14:30-15:00, (4) **Dr. Sasa Dujko**

15:00-15:30, Coffee break

Session III, Chair, P. Ventzek

15:30-16:00, (5) **Dr. Jens Oberrath**

16:00-16:30, (6) **Dr. Lee Chen**

16:30-17:00, Final discussion with participants

3) Name of session chairs:

Prof. Satoshi Hamaguchi (Osaka University, Osaka)

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Prof. Zoran Petrovic (Institute of Physics, Belgrade),

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Dr. Peter Ventzek (Tokyo Electron America, Austin),

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