"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)
  hamaguch@ppl.eng.osaka-u.ac.jp
- Prof. Zoran Petrovic (Institute of Physics, Belgrade),
  zoran@ipb.ac.rs
- Dr. Peter Ventzek (Tokyo Electron America, Austin),
  peter.ventzek@us.tel.com