

## Program

### November 9

9:30-11:00	Satellite Seminar
11:00-12:00	Individual Discussion
12:00-18:00	Excursion for Invited Speakers
18:15-20:15	Dinner for Invited Speakers

### November 10

9:30-10:30	Registration
10:30-10:40	Welcome speech Norihiro Tokitoh (The Director of ICR, Kyoto Univ.)
10:40-11:10	Masahiro Shirakawa (Kyoto Univ.) [Japanese lecture] Cell biology by using Optically Detected Magnetic Resonance (ODMR)
11:10-11:40	Makoto Negoro (Osaka Univ.) [Japanese lecture] The present and future of triplet-DNP
11:40-12:10	Alex I. Smirnov (North Carolina State Univ.) [English lecture] Towards DNP of macroscopically oriented samples: Biradical molecular tags and instrumentation
12:10-13:10	Lunch Break
13:10-13:40	Jean-Paul Amoureux (Univ. of Lille) [English lecture] Dynamic Nuclear Polarization: new insights into the structure of hybrid and inorganic materials
13:40-14:10	Gaël De Paëpe (CEA Grenoble) [English lecture] Efficient high field DNP at low temperature and fast MAS
14:10-14:30	Group Photo
14:30-15:00	Takeshi Kobayashi (U.S. Department of Energy, Ames National Laboratory) [Japanese lecture] Applications of dynamic nuclear polarization (DNP)-enhanced solid-state NMR in the study of materials science (tentative)
15:00-15:30	Yoh Matsuki (Osaka Univ.) [Japanese lecture] Over-1000 Times More Sensitive MAS NMR -DNP at 16.4T and 30K-
15:30-16:00	Fabien Aussenac (Bruker BioSpin, France) [English lecture] Recent applications in solid state Dynamic Nuclear Polarization
16:00-16:20	Coffee Break
16:20-16:50	Melanie Rosay (Bruker BioSpin, USA) [English lecture] Instrumentation development for dynamic nuclear polarization at 263 GHz to 593 GHz
16:50-17:20	Hironori Kaji (Kyoto Univ.) [Japanese lecture] The introduction of DNP-NMR and toward the future developments
17:20-17:30	Closing remarks
17:30-18:00	DNP-NMR/800 MHz NMR lab. Tour
18:00-19:30	Banquet (Hybrid space)

### November 11

14:00-15:30	Satellite Seminar
15:30-16:30	Individual Discussion