

ICRIS-NMR '14: Technological Frontiers in Solid-State NMR

A French-Japanese Workshop

Place: Uji Campus, Kyoto University, Japan

Date: Oct 4th to 5th, 2014

Fee: Free !



Speakers:

Christian Bonhomme (LCMCP Paris) Introduction to ssNMR of Hybrid Materials
Franck Fayon (CEMHTI Orléans) Application of ssNMR to Disordered Materials
Xianyu Xue (Okayama Univ.) Application of ssNMR to Inorganic Earth Materials
Yusuke Nishiyama (JEOL RESONANCE Inc.) Ultra-Fast MAS
Dimitris Sakellariou (CEA Saclay) Permanent, Spinning Magnets & Micro-Coils
Kazuyuki Takeda (Kyoto Univ.) Micro-coils and strong rf irradiation
Jean-Paul Amoureux (Lille Univ.) Indirect Detection Methods in Solid-State NMR
Makoto Negoro (Osaka Univ.) Dynamic nuclear polarization using triplet states
Gael de Paeppe (CEA Grenoble) MAS DNP at Ultra Low Temperature
Fabien Aussenac (Bruker BioSpin SAS) Solid State DNP-NMR at 263 to 527 GHz
Takashi Mizuno (JEOL RESONANCE Inc.) Cryo-coil MAS
Kiyonori Takegoshi (Kyoto Univ.) Introduction to ssNMR of Organic Solids
Hironori Kaji (Kyoto Univ.) NMR of Organic Semiconductors
Elodie Salager (CEMHTI Orléans) In-situ NMR of Batteries
Pierre Florian (CEMHTI Orléans) Very High-Temperature NMR
Thibault Charpentier (CEA Saclay) NMR of Radioactive Materials



Organizing Committee:

N. Tokitoh (The Director of ICR, Kyoto Univ., Chair) H. Watanabe (The Head of JURC, ICR, Kyoto Univ.) H. Kaji (ICR, Kyoto Univ.)
Y. Nishiyama (ICR, Kyoto Univ., RIKEN & JEOL), T. Fukushima (ICR, Kyoto Univ.) K. Suzuki (ICR, Kyoto Univ.), K. Shizu (ICR, Kyoto Univ.)
A. Asano (National Defense Academy) P. Florian (CEMHTI, Orleans) F. Fayon (CEMHTI, Orleans)

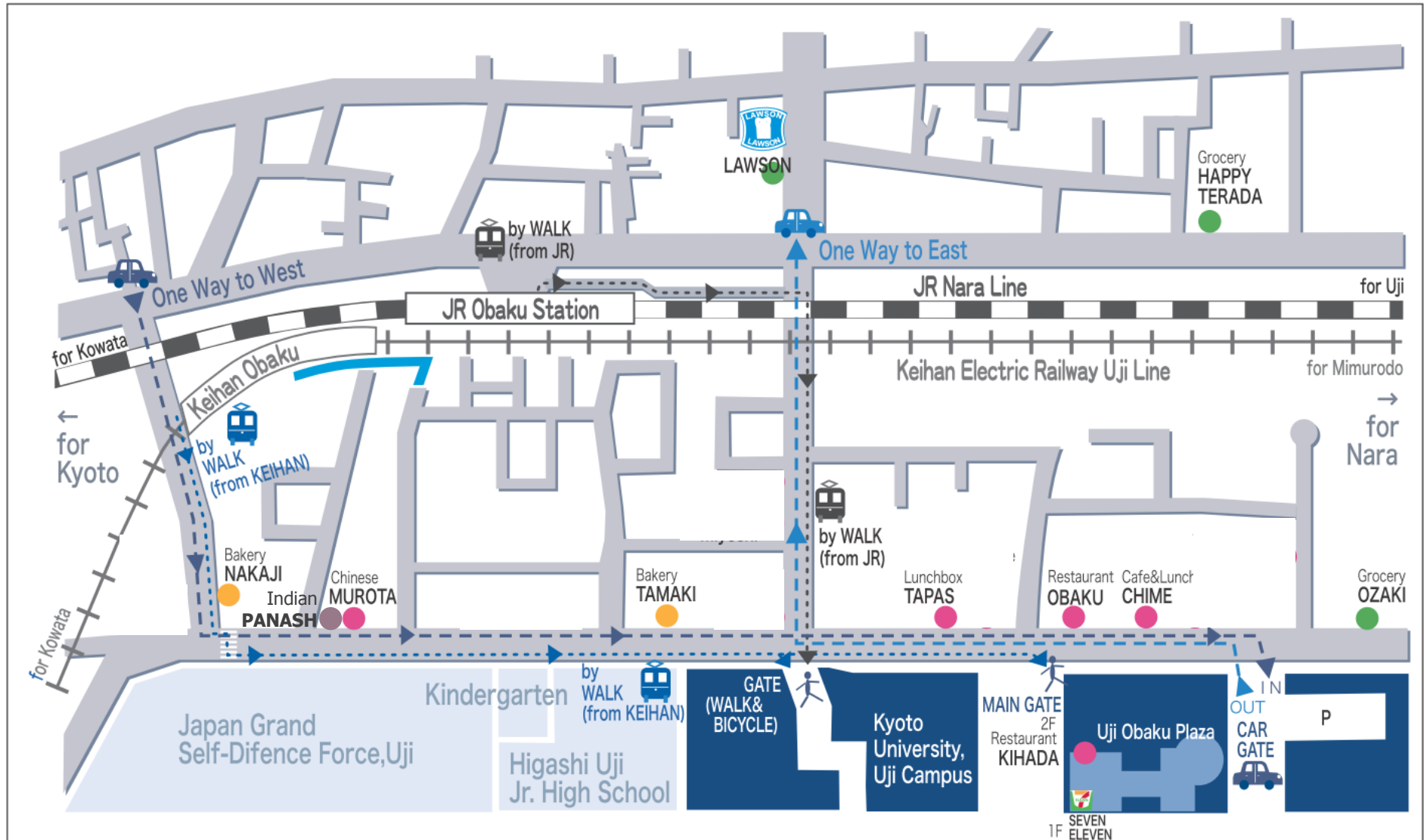
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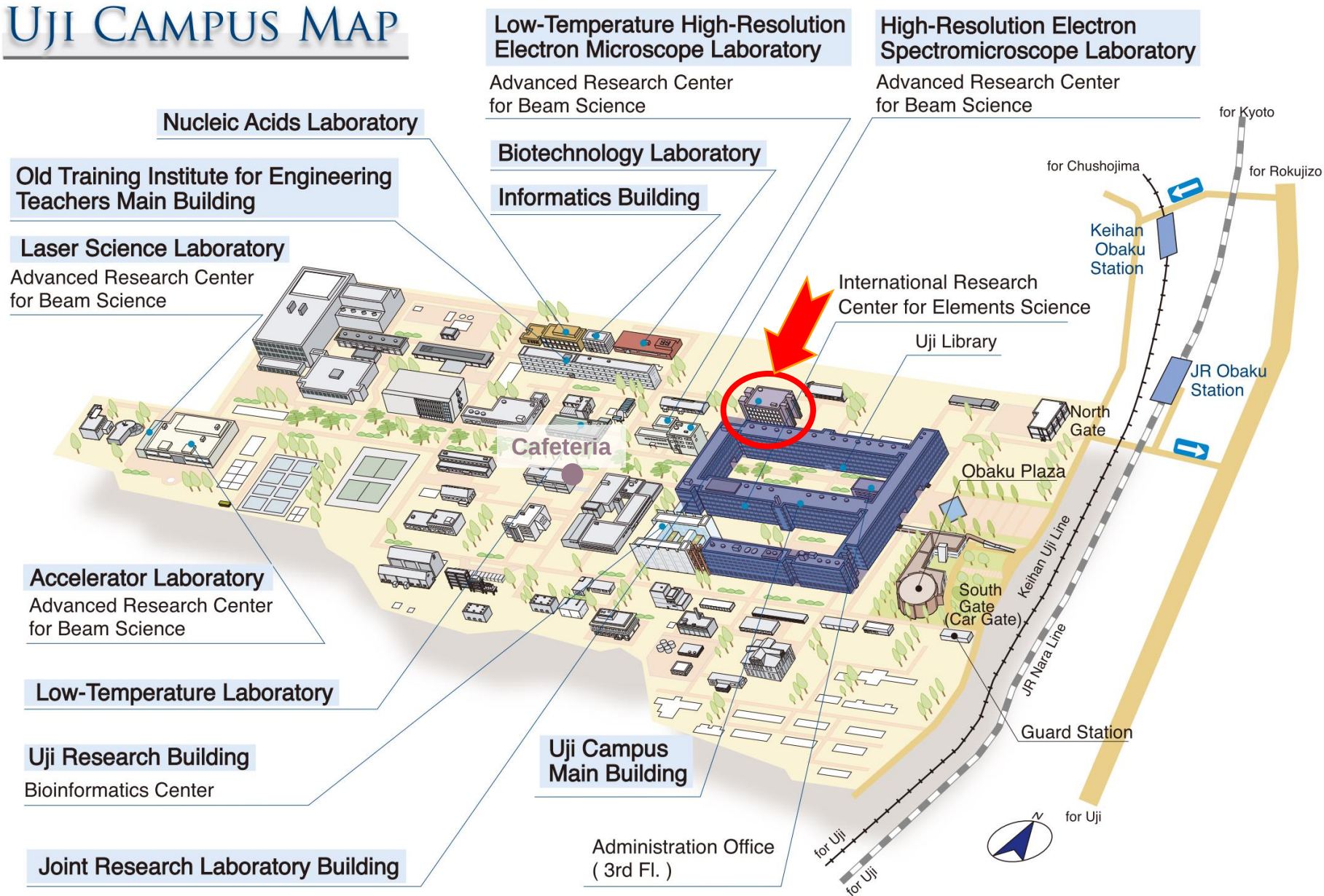
Organized by Institute for Chemical Research (ICR), Kyoto University

Co-organized by University of Orléans and CNRS, France / Joint Usage/Research Center (JURC), ICR /
The NMR Society of Japan / The Society of Polymer Science, Japan

VICINITY OF UJI CAMPUS



UJI CAMPUS MAP



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Program

40 mins for each talk including discussions (30 min + 10 min)

Day1: Oct 4th

- | | |
|-------------|---|
| 9:30-9:40 | Greetings |
| 9:40-10:20 | Christian Bonhomme (LCMCP Paris)
Introduction to ssNMR of Hybrid Materials |
| 10:20-11:00 | Franck Fayon (CEMHTI Orléans)
Application of ssNMR to Disordered Materials |
| 11:00-11:40 | Xianyu Xue (Okayama Univ.)
Application of ssNMR to Inorganic Earth Materials |
| 11:40-12:40 | Lunch Break |
| 12:40-13:20 | Yusuke Nishiyama (JEOL RESONANCE Inc.)
Ultra-Fast MAS |
| 13:20-14:00 | Dimitris Sakellariou (CEA Saclay)
Permanent, Spinning Magnets & Micro-Coils |

- 14:00-14:40 Kazuyuki Takeda (Kyoto Univ.)
Micro-coils and strong rf irradiation
- 14:40-15:20 Jean-Paul Amoureux (Lille Univ.)
Indirect Detection Methods in Solid-State NMR
- 15:20-15:40 Break
- 15:40-16:20 Makoto Negoro (Osaka Univ.)
Dynamic nuclear polarization using triplet states
- 16:20-17:00 Gael de Paeppe (CEA Grenoble)
MAS DNP at Ultra Low Temperature
- 17:00-17:40 Fabien Aussenac (Bruker BioSpin SAS)
Solid State DNP-NMR at 263 to 527 GHz
- 17:40-18:20 Takashi Mizuno (JEOL RESONANCE Inc.)
Cryo-coil MAS

Day2: Oct. 5th

- 9:00-9:40 Kiyonori Takegoshi (Kyoto Univ.)
Introduction to ssNMR of Organic Solids
- 9:40-10:20 Hironori Kaji (Kyoto Univ.)
NMR of Organic Semiconductors
- 10:20-11:00 Elodie Salager (CEMHTI Orléans)
In-situ NMR of Batteries
- 11:00-11:20 Break
- 11:20-12:00 Pierre Florian (CEMHTI Orléans)
Very High-Temperature NMR
- 12:00-12:40 Thibault Charpentier (CEA Saclay)
NMR of Radioactive Materials
- 12:40-12:50 Closing