

## Mini-workshop on oxides and related materials

February 24-25, 2016 @ TOKYO ELECTRON House of Creativity, 3F, Katahira Campus

Sit back, relax, and enjoy discussions!

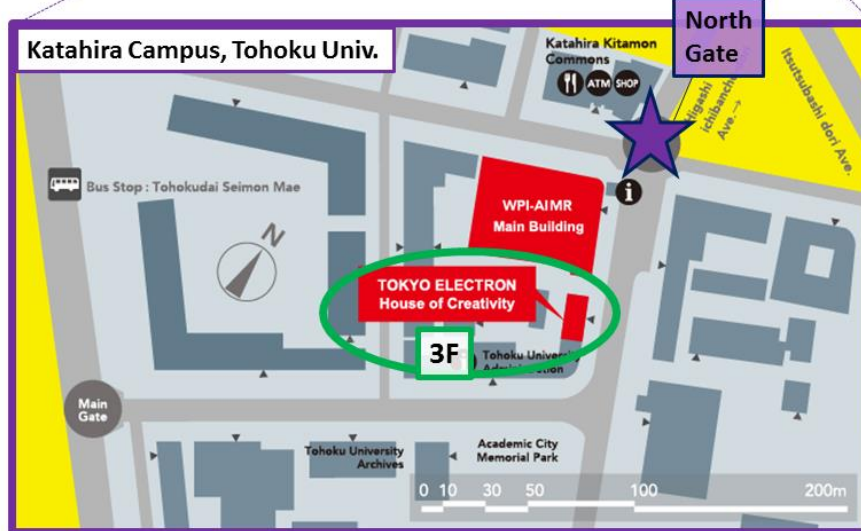
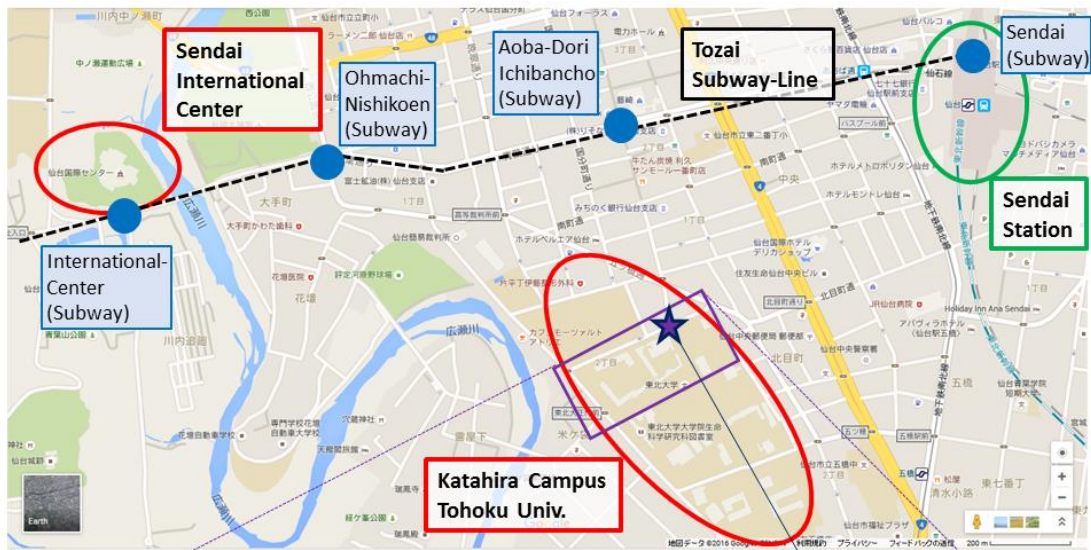
Feb. 24th (Wednesday)

- 14:00-15:00 C. B. Eom (Univ. Wisconsin, Madison)  
Oxide nanoelectronics
- 15:00-15:30 S. Maruyama (Dept. Applied Chemistry)  
Vacuum deposition of nanoscale ionic liquid thin films:  
fundamental processes and device applications
- (break)
- 16:00-16:30 H. Naganuma (Dept. Applied Physics/CNRS,Thales)  
Interfacial effect in multiferroic tunnel junctions using BiFeO<sub>3</sub>
- 16:30-17:00 T. Niizeki (AIMR)  
Metal oxides for spintronics
- 17:00-17:30 D. Oka (Dept. Chemistry)  
Strain and chemical engineering of electrical properties  
in perovskite oxynitride epitaxial thin films
- 18:30- dinner party

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Feb. 25th (Thursday)

- 9:00 - 9:30 T. Nojima (IMR)  
Effect of spin-orbit coupling induced by electric field  
in liquid-gated surfaces of SrTiO<sub>3</sub> & MoS<sub>2</sub>
- 9:30 -10:00 K. Nakayama (Dept. Physics)  
High-*T<sub>c</sub>* superconductivity in potassium-coated FeSe thin films
- 10:00-10:30 K. Fujiwara (IMR)  
High field-effect mobility at the (Sr,Ba)SnO<sub>3</sub>/BaSnO<sub>3</sub> interface
- (break)
- 11:00-11:30 N. Kuwata (IMRAM)  
Diffusion coefficients in thin-film lithium battery materials  
measured by secondary ion mass spectrometry
- 11:30-12:00 T. Katase (Hokkaido Univ.)  
Electrochemically switchable electromagnetic device with water electrolysis
- 12:00-12:30 H. Kawasoko (AIMR)  
Ionic conduction across the electrolyte/electrode interface of  
Li(Ni<sub>0.5</sub>Mn<sub>1.5</sub>)O<sub>4</sub> solid-state lithium batteries

## Map



15 min walk from the Sendai Station

Contact persons

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