

**The International University Exchange Symposium on Chemistry 2019**  
**-3rd Kyutech-OTU Symposium on Chemistry 2019**  
**-62nd International Symposium on Dentistry and Engineering Cooperation**

**December 3 (Tue) – 5 (Thu), 2019**

Interactive Learning Studio (MILAiS), room 8-1A

Presentation time (general)

Professors: 20 min slot including 5 min for discussion and handover

PhD students: 15 min slot including 3 – 5 min for discussion and handover

Students: 10 min slot including 3 min for discussion and handover

**Symposium Program**

**December 4 (Wed)** Interactive Learning Studio (MILAiS), 13:20 – 17:40

※ 2 コマ分認定

Chair : Yoichi Shimizu

- 13:20 2-1 Pittayagorn Noisong  
**Influence of  $Mn^{2+}$  and  $Fe^{2+}$  doping in  $LiNi_{0.8}M_{0.2}PO_4 \cdot 3H_2O$  on H-bond strength in crystalline hydrates and thermal transformation mechanism**
- 13:40 2-2 Shweta Pal  
**Spinel oxide based electrocatalysts for oxygen evolution and super capacitive application**
- 13:55 2-3 Holly M. Fruehwald  
**N-aromatic Functionalized Carbons as a Multi-Functional Electrodes for Clean Electrochemical Energy Systems**

Chair : Satoko Takase

- 14:10 2-4 Somkiat Krachumram  
**Catalytic activity of Ni supported zeolite catalyst for  $CO_2$  methanation**
- 14:25 2-5 Yu Kasedo  
**Control of products composition of  $CO_2$  photoreduction by reduction treatment of  $AgNi/TiO_2$**
- 14:35 2-6 Donna Riel  
**Heteroatom-Doped Carbons for Applications in Energy Conversion**
- 14:45 (Break)

Chair : Nithima Khaorapapong

- 15:00 2-7 Kessarin Ngamdee  
**Circular dichroism sensor based on D-penicillamine@cysteamine-capped cadmium sulfide quantum dots for copper (II) ion detection**
- 15:20 2-8 Akash Tripathi  
**Development of CuO nanostructure based broadband photodetector**
- 15:35 2-9 Nadia O. Laschuk  
**Surface Support and Conjugation Impact on Metal Complex Electrochromic Materials**
- 15:50 2-10 Kosei Hattori

## Neuron cell proliferation in extraction from chitosan-siloxane hybrids

- 16:00 2-11 Kohei Minobe  
**Critical Cracking Thickness in Drying Particle Dispersion Films: Effect of Polymeric Additives**
- 16:10 (Break)
- Chair : Sudha Yadava
- 16:25 2-12 Poonsuk Poosimma  
**Improvement of the electrical property of zinc oxide varistor by lanthanum and aluminium co-doping**
- 16:45 2-13 Lokesh Kumar Gangwar  
**Liquid crystal & nanoparticle based biosensor for detection of cardiac vascular diseases**
- 17:00 2-14 Iffat Ameen  
**Luminescence behavior of the complexes of Lanthanum, Cerium, Praseodymium and Neodymium with N, O and S donor ligands**
- 17:15 2-15 Jean-Paul Desaulniers  
**Teaching Chemistry Beyond Borders**
- 17:30 **Closing remarks**

## ◆九州工業大学大学院工学府博士後期課「工学融合科目」として 受講する場合の注意事項

事前に、次の事項を明記して担当教員まで連絡すること。

なお、**事前連絡**がない場合は単位として認定されない場合があるので留意すること。

・氏名・学生番号・指導教員名・携帯番号・メールアドレス

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