Chemical Engineering English Colloquium

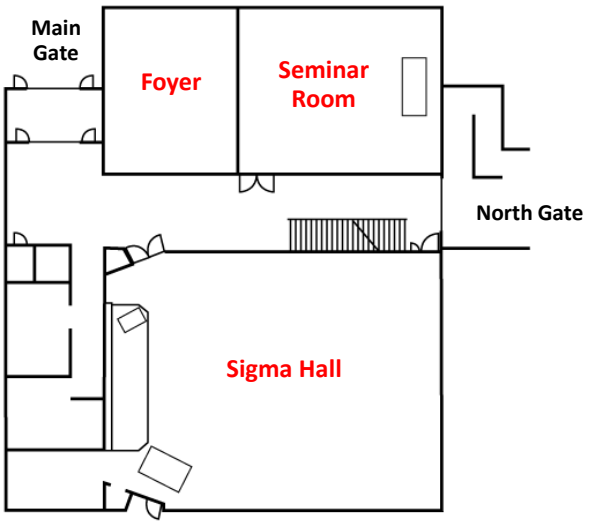
(CEEC)

Co-Organized by

SCEJ Kansai Branch &
Bio-Inspired Chem. Eng. Group
(Osaka Univ.)

Date: March 4th (Wed)

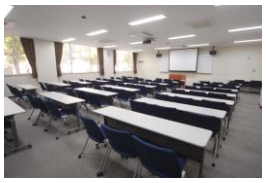
Place: Osaka University, Sigma Hall



Sigma Hall

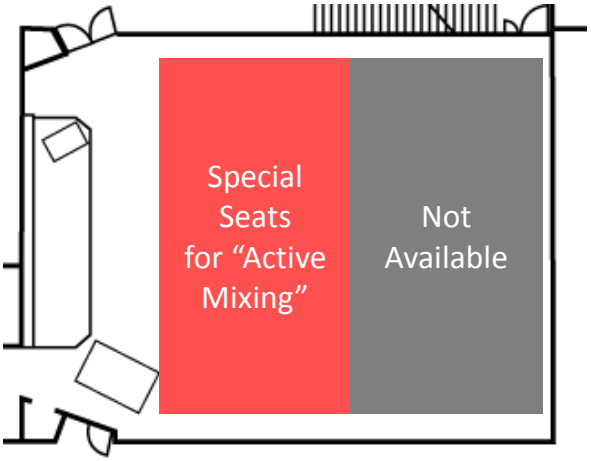
Foyer

Seminar Room

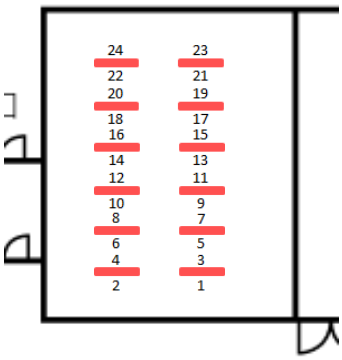


Sigma Hall : Talks and Flash Presentation
Foyer : Poster Presentation
Seminar Room: Mixer and Closing

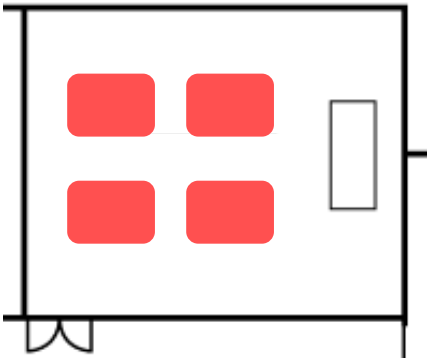
Sigma Hall (-15:30)



Foyer (15:30-17:30)



Seminar Room (17:30-19:00)



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Date: March 4th (Wed)
Place: Osaka University, Sigma Hall
https://yoyaku.es.osaka-u.ac.jp/sigmahall/map.htm

12:55	**Opening Address** (Prof. Dr. Akinori MUTO, Osaka Prefecture Univ.)
13:00-13:45	**Talk by Senior Chemical Engineer** Prof. Dr. Brian HIGGINS (UC Davis) (1) " Emergence of Coating Science and Technology and its Ascendancy" (2) " Preparing an Oral Presentation in English: Guide for Japanese Students"
13:45-14:30	**Talk by Young Chemical Engineer** Assoc. Prof. Dr. Ho-Sup JUNG (Seoul National Univ.) (1) " Nature Inspired Micro-Fluidic Device" (2) " English Presentation Tips for Non-Native Speakers"
14:30-14:40	Break
14:40-15:20	**Flash Presentation (Short Oral) by Students** (Two minutes per student)
15:20-15:30	Break
15:30-17:30	**Poster Presentation** (Judgment: [Odd] 15:30-16:30 / [Even] 16:30-17:30)
17:30-19:00	**Mixer & Closing**

Students Contribution (Flash / Poster) (Tentative)

[Dr Course Students]

1. **Takuya YAMAMOTO # (D1, Osaka Univ.)**, Youhei TAKAGI, and Yasunori OKANO*
   Numerical study of thermocapillary flow in a liquid film under micro- and normal- gravity conditions
2. **Tatsumasa HIRATSUKA # (D1, Kyoto Univ.)**, Hideki TANAKA, and Minoru T. MIYAHARA*
   Molecular modeling of ordered mesoporous silica for understanding of adsorption behavior
3. **Yoko TAKADA # (D1, Osaka Prefecture Univ.)**, Taiga AMANO, Naoki OKAMOTO, Takeyasu SAITO, Kazuo KONDO, Takeshi YOSHIMURA, Norifumi FUJIMURA, Koji HIGUCHI, and Akira KITAJIMA
   Effect of conductive oxide buffer layer for (Pb,La)(Zr,Ti)O_3 capacitors on ferroelectric properties
4. **Shuji OHSAKI # (D1, Kyoto Univ.)**, Kento TAKADA, S. WATANABE, H. TANAKA and Minoru T. MIYAHARA*
   Synthesis of ZIF-8 particles with controlled size and shape by using microreactor
5. **Takaaki ISHIGAMI (D2, Osaka Univ.)**, Keishi SUGA, Yukihiro OKAMOTO, and Hiroshi UMAKOSHI*
   Asymmetric recognition of L-/D-amino acid by liposome membrane

[Master Course Students]

6. **Tomohiro YOSHIDA # (M1, Osaka Univ.)**, Keishi SUGA, Haruyuki ISHII, Y. OKAMOTO, and H. UMAKOSHI*
   Membrane surface-enhanced Raman spectroscopy (MSERS) for sensitive detection of molecular behavior of lipid assembly
7. **Masanori HIROSE # (M2, Osaka Univ.)**, Keishi SUGA, Yukihiro OKAMOTO, and Hiroshi UMAKOSHI*
   Coexistence effect of liposome membrane on L-Proline catalyzed Michael addition reaction
8. **Kazuyuki GOSHIMA # (M1, Osaka Univ.)**, Keishi SUGA, Yukihiro OKAMOTO, and H. UMAKOSHI*
   Characterization of squalene oxidation at oil-water interface
9. **Makoto ISHIMIZU # (M1, Kyoto Univ.)**, Tetsuo SUZUKI*, and Hajime TAMON
   Molecular dynamics study on hydration of agarooligosaccharides
10. **Akari HAMASAKI # (M1, Osaka Univ.)**, Keishi SUGA, Yukihiro OKAMOTO, and Hiroshi UMAKOSHI*
    Cardiolipin-modified liposome membrane can act as a platform to regulate the enzymatic activity of ICDH
11. **Bui Thi THAM # (M1, Osaka Univ.)**, Keishi SUGA, Yukihiro OKAMOTO, and Hiroshi UMAKOSHI*
    Characterization of liposome membranes incorporated with various sterols
12. **Momoko KOTA # (M1, Osaka Univ.)**, Yukihiro OKAMOTO, Keishi SUGA, and Hiroshi UMAKOSHI*
    Characterization of membrane properties of mast cell in the allergic reaction
13. **Koujiro NOMURA # (M1, Osaka Univ.)**, Shinji SAKAI, and Masahito TAYA*
    Detection of H_2O_2-releasing cells by immobilizing horseradish peroxidase on cell surface
14. **Kohei UEDA # (M1, Osaka Univ.)**, Shinji SAKAI, and Masahito TAYA*
    Development of the hydrogel-based adhesion barrier formed in situ by contacting with body fluids
15. **Hiroko SUZUKI # (M1, Osaka Univ.)**, Takuya YAMAMOTO, Yohei TAKAGI, Yasunori OKANO, Shinji SUGIURA, Kimio SUMARU, Toshiyuki KANAMORI, and Masahiro KINO-OKA
    Development of a numerical model for iPS cell culture considering mass transfer in a culture environment

16. **Yusuke TSUJIMOTO # (M1, Osaka Univ.)**, Yukihiro OKAMOTO, Keishi SUGA, and Hiroshi UMAKOSHI*
    Electrophoretic separation of intrinsic membrane proteins in supported lipid membrane
17. **Yuki HIRAYAMA # (M1, Osaka Prefecture Univ.)**, Akinori MUTO*, Akira MATSUOKA, and Koji NOISHIKI
    Liquid-liquid extraction of cobalt ion by micro-channel reactor
18. **Misaki OTA # (M1, Osaka Univ.)**, Yoshiaki UCHIDA, Yasuhiro SAKAMOTO, and N. NISHIYAMA*
    Low temperature synthesis of titanate nano tube by using amorphous titania with a high surface area
19. **Mayuka YAMADA # (M1, Osaka Univ.)**, Yoshiaki UCHIDA, and Norikazu NISHIYAMA
    Synthesis of *p*-Xylene using MFI zeolite with gradient composition

 # : Candidate of "*English Presentation Award for Students*"

[1st Judgment]

14:40-15:20 **Flash Presentation (Short Oral) (Two Minutes for each)**

[2nd Judgment]

15:30-17:30 **Poster Presentation**
([Odd] 15:30-16:30 / [Even] 16:30-17:30)

* Poster must be displayed during lunch time break (before 12:45)