

การประชุมหาเรื่องงานวิจัย

Topics for potential collaborations

1. Gas sensors
2. Materials (focusing on low dimensional materials)
3. Sensors and electronics

Progress

1. Already published a joint article
2. Preparing more joint projects

Reinventing University Project

Virtual Visiting Professor:
Prof. Jian Zhen Ou

Logos: Prince of Songkla University, TAB-CoE, RMIT UNIVERSITY, Southwest Jiaotong University

Flags: Thailand, Australia, China


Host: Prince of Songkla University, Hat Yai, Thailand


Participants: Phennapa, APON NUMNU..., Chongdee Buranachai, Panote, Jian Zhen Ou, Baoyue (Myra) Zhang


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Reinventing University Project

Virtual Visiting Professor: Prof. Jian Zhen Ou







Host: Prince of Songkla University, Hat Yai, Thailand





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Jian Zhen Ou

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Jian Zhen Ou

Phennapa

Baoyue (Myra)...

APON NUMNU...

Panote

Dhassida Sooks...


Chittanon Burac...

Morakot Kaewpjet

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Virtual Visiting Professor: Prof. Jian Zhen Ou



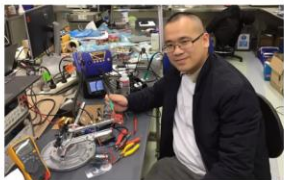
Host: Prince of Songkla University, Hat Yai, Thailand

Participants: Phennapa, Baoyue (Myra) Zhang, APON NUMNUAM, Chongdee Buranachai, Panote, baiyuren, Dhassida Sooksawat, Chittanon Burachai (office), Morakot Kaewpet

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Prof. Jian Zhen Ou



Prof. Jian Zhen Ou is the director of Advanced Electronics and Sensors, School of Engineering, RMIT University, Australia and the director of Joint Laboratory of Nanoscale Functional Materials and Sensing, School of Materials Science and Engineering, Southwest Jiaotong University, China. His research interests include two-dimensional materials, chemical and biological sensing, nanoscale electronics, and artificial intelligence-driven sensors. He has over **130 peer-reviewed publications** in top journals including Nature Materials, Nature Communications, Advanced Materials, Nano Today, ACS Nano, Nano Letters, and Advanced Functional Materials, with **more than 11,000 citations and an h-index of 55**. He was the recipient of several **prestigious awards**, including Victoria Fellow (2017), Malcolm Moore Industry Award by RMIT (2017), Discovery ECR Award by Australian Research Council (2016), Research Award of Excellence-ECR (Technology) by RMIT (2016), and Europe AMA Innovation Award Finalist by Association of Sensors + Measurement (2016). He was also selected as the top emerging leader in Engineering and Computer Science by The Australian Research Magazine in both 2018 and 2019. Prof. Ou is currently holding four international patents on "Human Gas Sensing Capsule" and has been the scientific advisor for RMIT's spin-off company Atmo Biosciences Ltd since 2019.

Participants: Phennapa, Baoyue (Myra) Zhang, APON NUMNUAM, Chongdee Buranachai, Panote, baiyuren, Dhassida Sooksawat, Chittanon Burachai (office), Morakot Kaewpet

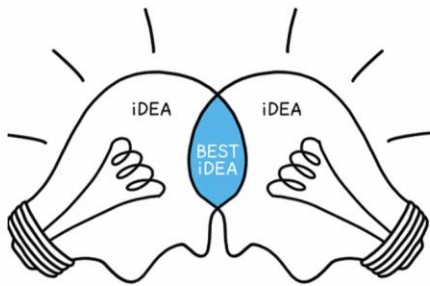

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Zoom Meeting

Phennapa APON NUMNU... Panote

Phennapa Jian Zhen Ou TAB-CoE APON NUMNUAM Chongdee Buranachai Panote

- Thailand
- Australia
- China





Prof. Jian Zhen Ou
RMIT University, Australia

10:05 AM 11/23/2021

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View



"Center of Excellence for Trace Analysis and Biosensor"

Prince of Songkla University
TAB-CoE
Center of Excellence for Trace Analysis and Biosensor

Chemistry Building, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90110, Thailand
+66-(0)74288453

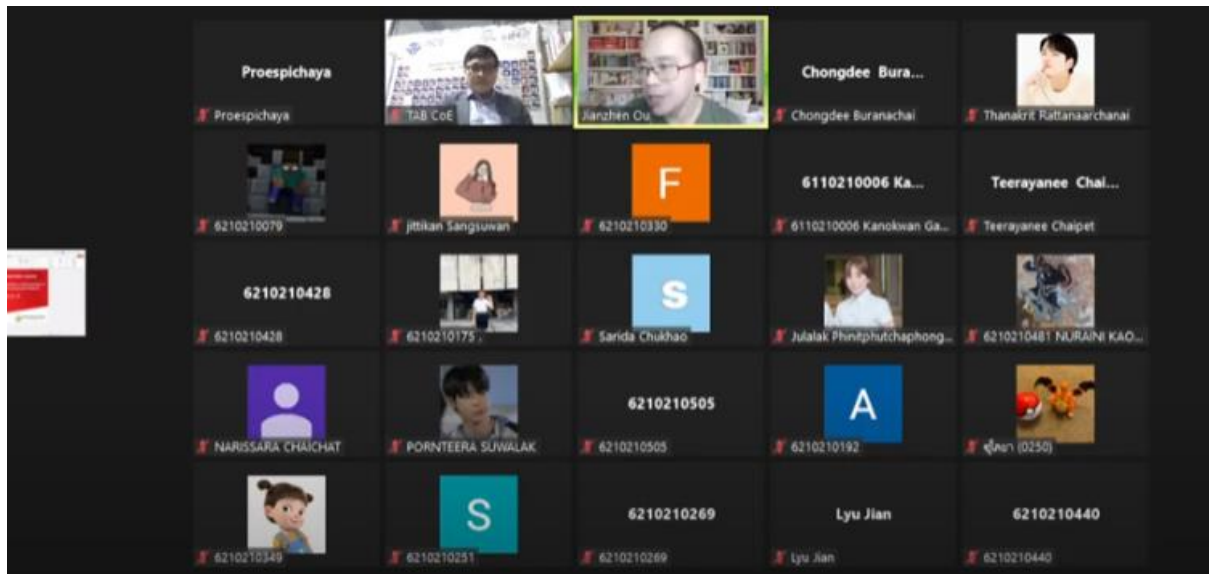
TAB-CoE: Center of Excellence for Trace Analysis and Biosensor
www.tab-coe-psu.com
tab.coe.psu@gmail.com

FACULTY OF SCIENCE
PRINCE OF SONGKLA UNIVERSITY
Chongdee Buranachai

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การสอน

คลิปบันทึกการสอน <https://youtu.be/6fTOBrdORcQ>



Gas sensors

• Applications:

- Controlled combustion (automobile, industrial furnaces)
- Toxic and inflammable gas detection (leakages)
- Air-quality monitoring, food quality and medical diagnosis

Six images illustrating gas sensor applications: 1. A worker in a mine using a gas sensor. 2. Industrial smokestacks emitting smoke. 3. A medical device (likely a gas sensor) inside a person's mouth. 4. A gas leak from a pipe. 5. A fish on a plate, representing food quality monitoring. 6. A person using a gas sensor device.