



# ISEPD 2024

**21 -24 January 2024**

**Mueang Nakorn Ratchasima, Thailand**

**Hosted by Materials Research Society of Thailand (MRS-Thailand)  
& Suranaree University of Technology**

**Conference Preparation Progress**

**Zoom meeting on November 9, 2023, 06.00-07.30 pm (THA Time)**

## Location and Date

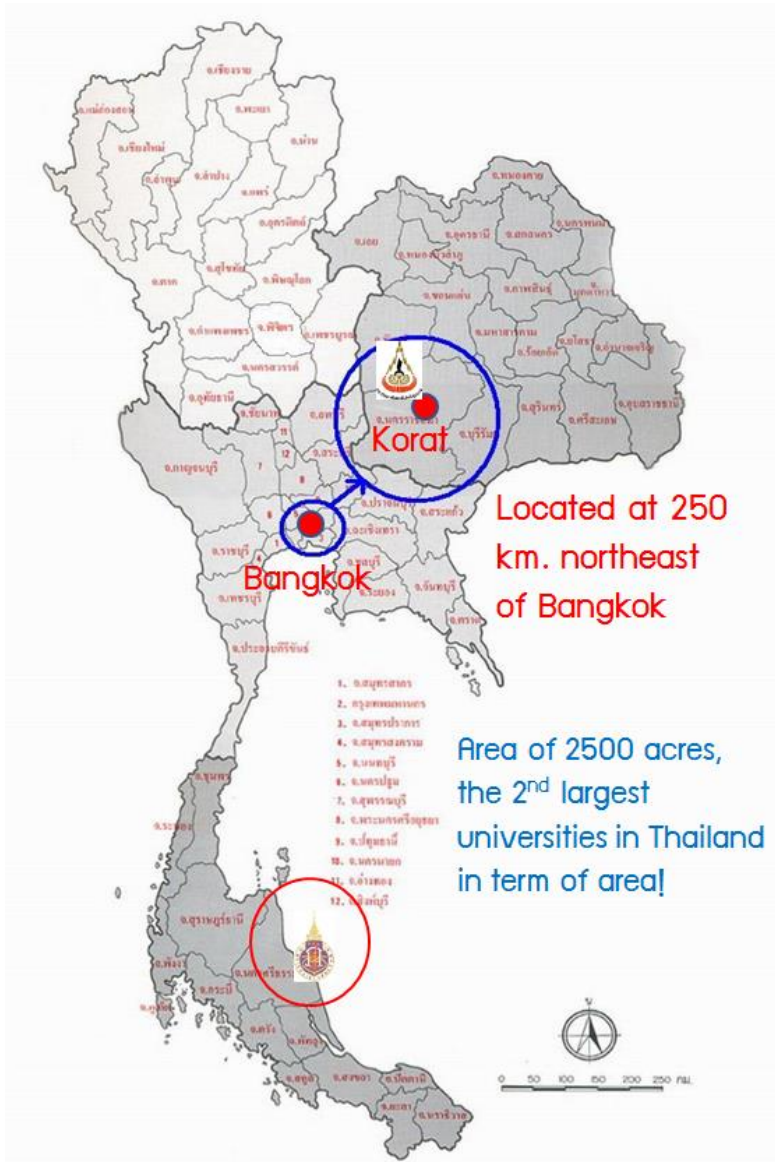


**Date:** January 21-24, 2024

**Venue:** Centara Korat Hotel,  
Nakhon Ratchasima,  
Thailand

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# Location and Date



# Conference Venue: Centara Korat Hotel



**Meeting Space: 572 sq. m. | Meeting rooms: 6 | Capacity Largest space : 400 people**

# Conference Venue: Centara Korat Hotel

	Area (sq.mt)	<u>Banquet</u>	<u>Theater</u>	<u>Classroom</u>
Korat I	314	190	200	150
Korat II	252	140	180	120
Chom Phan	99	80	90	80
Phon Lan	99	80	90	80
Phon Saen	87	40	60	40
Chainarong	78	40	60	40

# Conference Venue: Centara Korat Hotel



**Rooftop Swimming Pool**

**Spacious Room with City View**



# Excursion

## Khao Yai National Park



## Hiking | Trail | Sustainability Project



# Excursion

## Phimai Historical Park



## Synchrotron light research institute



## Korat Fossil Museum





# Phimai Historical Park



# Schedule : January 21 –24, 2024

Date	8.30 to 12.00 a.m.		12.00 a.m. to 1.00 p.m.	1.00 to 6.00 p.m.		6.00 to 9.00 p.m.
Jan. 21, 2024 (Sunday)	-		-	Registration		-
Jan. 22, 2024 (Monday)	8.30 to 9.00 a.m	9.00 to 12.00 a.m.	Lunch	Conference Oral Presentation/ Poster Presentation		-
	Registration	Conference				
	9.00 to 10.00 p.m. Opening ceremony	Oral Presentation/ Poster Presentation				
Jan. 23, 2024 (Tuesday)	Conference Oral Presentation/ Poster Presentation		Lunch	Conference Oral Presentation/ Poster Presentation  (Optional: Excursion)		Banquet
Jan 24,2024 (Wednesday)	Conference Oral Presentation/ Poster Presentation			1.00 to 4.00 p.m.	4.00 to 5.00 p.m.	
			Conference Oral Presentation/ Poster Presentation	Closing Ceremony		

# Schedule : January 21 –24, 2024

## Tentative Program ISEPD 2024

Time	22 January 2024
8.30	Registration 8.30–16.00
9.00	Opening Ceremony
10.00	Grand Ballroom
10.00	Morning Break
10.15	
10.30	Plenary talks
11.00	Grand Ballroom
12.00	
12.00	Lunch
13.00	
13.00	Parallel Sessions
14.00	
15.00	
15.00	Afternoon Break
15.15	
15.30	Parallel Sessions
16.00	
17.30	
17.30	Poster session 1
18.00	

Time	23 January 2024
8.30	Registration 8.30–16.00
8.30	Plenary talks
10.00	Grand Ballroom
10.00	Morning Break
10.15	
10.30	Parallel Sessions
11.00	
12.00	
12.00	Lunch
13.00	
13.00	Parallel Sessions
14.00	(Optional: Excursion)
15.00	
15.00	Afternoon Break
15.15	
15.30	Parallel Sessions
16.00	
17.30	
17.30	Poster session 2
18.00	
18.00	Banquet
19.00	
20.00	Grand Ballroom
21.00	

Time	24 January 2024
8.30	Registration 8.30–12.00
8.30	Plenary talks
10.00	Grand Ballroom
10.00	Morning Break
10.15	
10.30	Parallel Sessions
11.00	
12.00	
12.00	Lunch
13.00	
13.00	Parallel Sessions
14.00	
15.00	
15.00	Afternoon Break
15.15	
15.30	Awards & Closing Ceremony
16.00	Grand Ballroom
17.00	

# Poster

Updated: November 8, 2023

## The 22<sup>nd</sup> International Symposium on Eco-materials Processing and Design

Organized by  
Suranaree University of Technology and  
Materials Research Society of Thailand

NAKHON RATCHASIMA, THAILAND  
21-24 January 2024

ISEPD 2024

### Symposia

- Green Manufacturing and Processing of Materials
- Advanced Eco-Materials
- Energy Conversion and Storage
- Environmental Protection Materials
- Surface Coatings, Additive Manufacturing and Long-Term Use Materials
- Bioinspired and Biocompatible Materials for Health Care
- Artificial Intelligence-Based Computational and Data-Driven Materials Engineering
- Material Intelligence: Highly-efficiency in-material AI computing
- Hydrogen production and Applications
- Materials Education Forum : Education Today, Innovation Tomorrow

### Potential Journals

- Nano Express
- Discover Materials
- SIAM : Science and Innovation of Advanced Materials
- International Journal of Minerals, Metallurgy and Materials
- Journal of Metals, Materials and Minerals (JMMM)
- Current Applied Science and Technology
- Chiang Mai Journal of Science

### Important Date

15 Sep 2023	Registration and Abstract Submission Open
15 Nov 2023	Abstract Submission Deadline
10 Dec 2023	Notification of Abstract Acceptance
15 Dec 2023	Early-Bird Registration Deadline
15 Dec 2023	Registration Deadline for Presenter
1 Jan - 15 Feb 2024	Full Paper Submission

### Plenary Speakers

-  **Prof. Zhengyi Fu**  
Wuhan University of Technology
-  **Prof. Dr.-Ing. Silke Christiansen**  
Fraunhofer Institute for Ceramic Technologies and Systems IKTS
-  **Prof. Ru-Shi Liu**  
National Taiwan University
-  **Prof. Shin Byungha**  
Korea Advanced Institute of Science and Technology (KAIST)
-  **Prof. Ravi Kumar N.V**  
Indian Institute of Technology Madras
-  **Prof. Hiromi Yamashita**  
Graduate School of Engineering, Osaka University
-  **Assoc. Prof. Dr. Worawat Meevasana**  
Suranaree University of Technology
-  **Assoc. Prof. Dr. Oratai Jongprateep**  
Kasetsart University

# International Advisory Committee



**Prof. Soo Wahn Lee**  
Sun Moon University, Korea



**Prof. Yubao Li**  
Sichuan University, China



**Prof. Sanjay Mathur**  
University of Cologne, Germany



**Prof. Tohru Sekino,**  
ISIR, Osaka University, Japan



**Prof. Webin Cao**  
Beijing University of Science  
and Technology, China



**Prof. Shu Yin**  
Tohoku University, Japan



**Prof. Santi Maensiri**  
Suranaree University of Technology, Thailand

# International Advisory Committee

Name	Institution
Prof. Alfredo-Aguilar Elguezar	Center for Research in Advanced Materials (CIMAV), Mexico
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Prof. Banh Tien Long	Hanoi University of Science and Technology, Vietnam
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Prof. Byung Se Jun	Kyungnam National University, Korea
Prof. Ding Chuanxian	Shanghai Institute of Ceramics, China
Prof. Detlef Bahnemann	University of Hannover, Germany
Prof. Djega Marriadassou	Paris VI University, France
Prof. Dongfeng Xue	Changchun Institute of Applied Chemistry, China
Prof. G. P. Li	University of California, Irvine, USA
Prof. Hao Du	Institute of Metal Research, China
Prof. Hideo Nakajima	Osaka University, Japan

Name	Institution
Prof. Hirohisa Tanaka	Kwansei Gakuin University, Japan
Prof. Hirotsugu Takizawa	Tohoku University, Japan
Prof. Hiroshi Kageyama	Kyoto University, Japan
Prof. Hua-Tay Lin	Guangdong University of Technology, China
Prof. Jianbao Li	Hainan University, China
Prof. Jianfeng Huang	Shaanxi University of Science and Technology, China
Prof. Jianfeng Yang	Xi'an Jiaotong University, China
Prof. Jing Sun	Shanghai Institute of Ceramic Technology, China
Prof. Joaquin Lira-Olivares	Simon Bolivar University, Venezuela
Prof. Jun Yang	Xi'an University of Architecture and Technology, China
Prof. Junichi Hojo	Kyushu University, Japan
Prof. Junichi Matsushita	Tokai University, Japan

# International Advisory Committee

Name	Institution
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Prof. Lei Jiang	Beihang University, China
Prof. Leticia M. Torres-Martinaz	Univeridad Autonoma De Nuevo Leon, Mexico
Prof. Lian Gao	Shanghai Institute of Ceramics, China
Prof. Masakazu Anpo	Osaka Prefecture University, Japan
Prof. Ngakan P. G. Suardana	Udayana University, Indonesia
Prof. Ni Made Dwidiani MASC	Udayana University, Indonesia
Prof. Ramaseshan Rajagopalan	IGCAR, Kalpakkam, India
Prof. Rameshwar Adhikari	Tribhuvan University, Nepal
Prof. Robert Hurt	Brown University, USA

Name	Institution
Prof. Sanjaya Mathur	University of Cologne, Germany
Prof. Santi Maensiri	Suranaree University of Technology, Thailand
Prof. Shaoxiong Zhou	Advanced Technology & Materials Co. Ltd, China
Prof. Simo-Pekka Hannula	Helsinki University of Technology, Finland
Prof. Somchai Thongtem	Chiang Mai University, Thailand
Prof. Tasuki Ohji	AIST Nagoya, Japan
Prof. Weimin Wang	Wuhan University of Technology, China
Prof. Xianhong Wang	Changchun Institute of Applied Chemistry, China
Prof. Yasuo Uchiyama	Nagasaki University, Japan
Prof. Yoshihiro Hirata	Kagoshima University, Japan
Prof. Yuhua Wang	Lanzhou University, China
Prof. Zhengyi Fu	Wuhan University of Technology, China

# Thai Executive Advisory Committee (Tentative)

## **Executive Advisory Committee :**

- President of Suranaree University of Technology, Thailand
- Director of Synchrotron Light Institute (SLRI)
- Director of National Metal and Materials Technology Center (MTEC)
- Executive Director of National Nanotechnology Center (NANOTEC)
- President of Material Research Society of Thailand



# Local Organizing Committee

	Name	Institution
1. Operating	Prof. Dr. Santi Maensiri	Suranaree University of Technology, Thailand
	*Assoc. Prof. Dr. Worawat Meevasana	Suranaree University of Technology, Thailand
2. Academic	Assoc. Prof. Dr. Sirichok Jungthawan	Suranaree University of Technology, Thailand
	*Assoc. Prof. Dr. Anucha Watcharapasorn	Chiang Mai University, Thailand
3. Public relations and media	Asst. Prof. Dr. Khanchai Khosonthongkee	Suranaree University of Technology, Thailand
	*Prof. Dr. Supree Pinitsoontorn	Khon Kaen University, Thailand
4. Registrations	Assoc. Prof. Dr. Sineenat Siri	Suranaree University of Technology, Thailand
	*Prof. Dr. Narathip Vitayakorn	King Mongkut's Institute of Technology Ladkrabang, Thailand
5. Places	Asst. Prof. Dr. Ayut Limphirat	Suranaree University of Technology, Thailand
	*Prof. Dr. Wisanu Pecharapa	King Mongkut's Institute of Technology Ladkrabang, Thailand
6. Transportations	Dr. Ittipon Fongkeaw	Suranaree University of Technology, Thailand
	*Dr. Pinit Kidkhunthod	Synchrotron Light Research Institute (Public Organization)
7. Sponsorship	Assoc. Prof. Dr. Panomsak Meemon	Suranaree University of Technology, Thailand
	*Assoc. Prof. Dr. Sirithan Jiemsirilers	Chulalongkorn University, Thailand

# Total of Registration

Updated: November 8, 2023

Total of Registration : 24

Type	Total
Plenary Speaker	3
Keynote Speaker	3
MRS Thailand Board	1
Regular - Onsite (MRS-Thailand Member)	3
Regular - Onsite	8
Students - Onsite	6

Updated: November 8, 2023

Type	Name	Affiliation	Title
Plenary Speakers	1. Prof. Zhengyi Fu	Wuhan University of Technology, Hubei, China	Bioprocessing-inspired Synthesis and Processing for Functional Materials
	2. Prof. Dr.-Ing. Silke Christiansen	Fraunhofer Institute for Ceramic Technologies and Systems IKTS, Germany	To be announced
	3. Prof. Ru-Shi Liu	National Taiwan University, Taipei, Taiwan (R.O.C.)	To be announced
	4. Prof. Shin Byungha	Korea Advanced Institute of Science and Technology (KAIST), Korea	To be announced
	5. Prof. Hiromi Yamashita	Graduate School of Engineering, Osaka University, Japan	To be announced
	6. Assoc. Prof. Dr. Worawat Meevasana	Suranaree University of Technology	To be announced
	7. Assoc. Prof. Dr. Oratai Jongprateep	Kasetsart University	To be announced

# Plenary Speakers



**Prof. Zhengyi Fu**  
Wuhan University of Technology,  
Hubei, China



**Prof. Dr.-Ing. Silke Christiansen**  
Fraunhofer Institute for Ceramic Technologies  
and Systems IKTS, Germany



**Prof. Ru-Shi Liu**  
National Taiwan University,  
Taipei, Taiwan (R.O.C.)



**Prof. Shin Byungha**  
Korea Advanced Institute of Science  
and Technology (KAIST), Korea



**Prof. Ravi Kumar N.V**  
Indian Institute of Technology Madras,  
India



**Prof. Hiromi Yamashita**  
Graduate School of Engineering,  
Osaka University, Japan



**Assoc. Prof. Dr. Worawat Meevasana**  
Suranaree University of Technology



**Assoc. Prof. Dr. Oratai Jongprateep**  
Kasetsart University

# Academic Committee

## Chairman



Assoc. Prof. Dr. Sirichok Jungthawan  
Suranaree University of Technology, Thailand

## Co- Chairman



Assoc. Prof. Dr. Anucha Watcharapasorn  
Chiang Mai University, Thailand

## Co- Chairman



Assoc. Prof. Dr. Jakrapong Kaewkhao  
Nakhon Pathom Rajabhat University

# Academic Session

- (1) Green Manufacturing and Processing of Materials
- (2) Advanced Eco-Materials
- (3) Energy Conversion and Storage
- (4) Environmental Protection Materials
- (5) Surface Coatings, Additive Manufacturing and Long-Term Use Materials
- (6) Bioinspired and Biocompatible materials for health care
- (7) Artificial Intelligence-Based Computational and Data-Driven Materials Engineering
- (8) Special symposium 1 : Material Intelligence: Highly-efficiency in-material AI computing
- (9) Special Symposium 2: Hydrogen production and Applications
- (10) Special Symposium 3: Materials Education Forum : Education Today, Innovation Tomorrow

# Accepted letter by E-mail: Keynote Speakers Total 22 people

Updated: November 8, 2023

Type	Name	Affiliation	Title
Keynote Speakers : Sym. 1	1. Dr. Andrew J. Hunt	Khon Kaen University, Thailand	Green processes for the development of sustainable materials
	2. Dr. Takaomi Kobayashi	Nagaoka University of Technology, Japan	Waste resources and technologies for building a sustainable society – Upcycled wastes toward advanced materials
Sym. 2	1. Prof. Sammy Lap Ip CHAN	University of New South Wales, Australia	To be announced
Sym. 3	1. Assoc. Prof. Dr. Jin Wook Lee	Sungkyunkwan University, Korea	To be announced
Sym. 4	1. Assoc. Prof. Dr. Wenpei Gao	Shanghai Jiao Tung University, China	In Situ Study of Nanostructured Catalyst
	2. Assoc. Prof. Dr. Theeranun Siritanon	Suranaree University of Technology, Thailand	To be announced
Sym. 5	1. Prof. Jyh-Wei Lee	Ming Chi University of Technology, Taipei, Taiwan (R.O.C.)	To be announced
	2. Assoc. Prof. Dr. Patama Visuttipitukul	Chulalongkorn University, Thailand	To be announced
	3. Asst. Prof. Dr. Peerawatt Nunthavarawong	King Mongkut's University of Technology North Bangkok, Thailand	Environmental Barrier Coatings: Towards Sustainable Production Solutions

# Accepted letter by E-mail: Keynote Speakers Total 22 people

Update: November 8, 2023

Type	Name	Affiliation	Title
Keynote Speakers : Sym. 6	1. Prof. Bih-Show Lou	Chang Gung University, Tao-Yuan, Taiwan, (R.O.C.)	Cold atmospheric plasma jet treatment in medical applications
	2. Dr. Ching-Wei Lin	Institute of Atomic and Molecular Sciences Academia Sinica, Taipei, Taiwan (R.O.C.)	To be announced
	3. Assoc. Prof. Dr. Anyanee Kamkaew	Suranaree University of Technology, Thailand	To be announced
Sym. 7	1. Prof. Ziqiang Dong	Shanghai University, China	To be announced
	2. Prof. Dr. Yoshiyuki Kawazoe	Tohoku University, Japan	To be announced
	3. Dr. Supawadee Namuangruk	National Nanotechnology Center, Thailand	To be announced
Special sym. 1	1. Prof. Dr. Hirofumi Tanaka	Kyushu Institute of Technology, Japan	To be announced
	2. Prof. Dr. Zdenka Kuncic	University of Sydney, Australia	To be announced
	3. Prof. Dr. Hakaru Tamukoh	Kyushu Institute of Technology, Japan	To be announced
Special sym. 2	1. Prof. Jae Sung Lee	Ulsan National Institute of Science & Technology, Korea	To be announced
	2. Dr. rer. Nat. Claudio Pistidda	Helmholtz Zentrum Hereon, Germany	To be announced
	3. Assoc. Prof. Rapee Utke	Suranaree University of Technology, Thailand	To be announced
Special sym. 3	1. Prof. Ts. Dr. Mohd Ikmar Nizam Bin Mohamad Isa	Universiti Sains Islam Malaysia, Malaysia	To be announced



# Accepted letter by E-mail: Invited Speakers Total 7 people

Update: November 8, 2023

Type	Name	Affiliation	Title
Invited Speakers: Sym. 2	1. Dr. Pongtanawat Khemthong	National Nanotechnology Center (NANOTEC), Thailand	To be announced
Sym. 3	1. Prof. Ts. Dr. Mohd Ikmar Nizam Bin Mohamad Isa	Universiti Sains Islam Malaysia, Malaysia	To be announced
Sym. 7	1. Asst. Prof. Dr. Cheng-Chau Chiu	National Sun Yat-sen University, Taiwan (R.O.C.)	To be announced
Special Sym.1	1. Dr. Yuichiro Tanaka	Kyushu Institute of Technology, Japan	To be announced
	2. Dr. Yuki Usami	Kyushu Institute of Technology, Japan	To be announced
	3. Dr. Osamu Nomura	Kyushu Institute of Technology, Japan	To be announced
	4. Dr. Masanori Takabayashi	Kyushu Institute of Technology, Japan	To be announced

# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 1 : Green Manufacturing and Processing of Materials

**Chair**



**Prof. Tohru Sekino,**  
ISIR, Osaka University, Japan

**Chair**



**Prof. Dr. Supree Pinitsoontorn**  
Khon Kaen University, Thailand

**Co-Chair**



**Assoc. Prof. Dr. Sirithan Jiemsirilers**  
Chulalongkorn University, Thailand

**Co-Chair**



**Assoc. Prof. Dr. Sineenat Siri**  
Suranaree University of Technology, Thailand

### Keynote Speakers

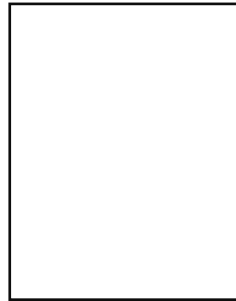


**Dr. Andrew J. Hunt**  
Khon Kaen University, Thailand



**Dr. Takaomi Kobayashi**  
Nagaoka University of Technology, Japan

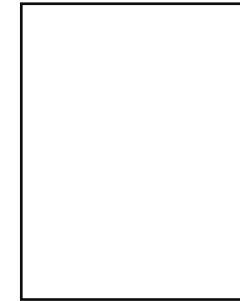
### Invited Speakers



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 2 : Advanced Eco-Materials

Chair



**Prof. Sanjay Mathur**  
University of Cologne, Germany

Chair



**Assoc Prof. Dr. Pakorn Opaprakasit**  
Sirindhorn International Institute of Technology (SIIT),  
Thammasat University, Thailand

Co-Chair

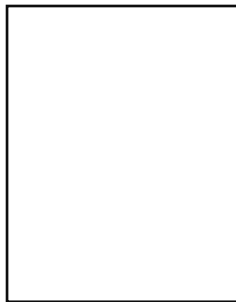


**Prof. Dr. Jatuporn Wittayakun,**  
Suranaree University of Technology, Thailand

## Keynote Speakers



**Prof. Sammy Lap Ip CHAN**  
University of New South Wales,  
Australia

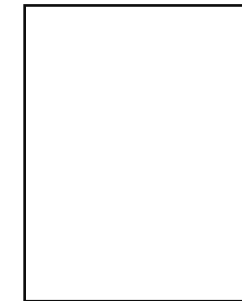


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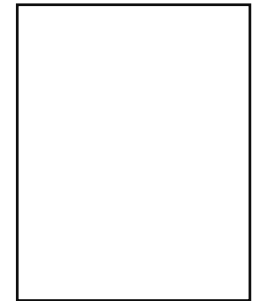
## Invited Speakers



**Dr. Pongtanawat Khemthong**  
National Nanotechnology Center (NANOTEC),  
Thailand



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 3 : Energy Conversion and Storage

Chair



**Prof. Shu Yin**  
Tohoku University, Japan

Chair



**Assoc. Prof. Dr. Worawat Meevasana**  
Suranaree University of Technology,  
Thailand

Co-Chair



**Dr. Adisorn Tuantranont**  
National Science and  
Technology Development Agency, Thailand

Co-Chair



**Dr. Pinit Kidkhunthod**  
Synchrotron Light Research Institute,  
Thailand

Co-Chair



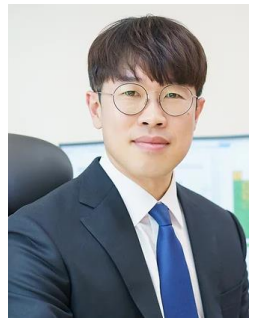
**Prof. Dr. Tosawat Seetawan**  
Sakon Nakhon Rajabhat University,  
Thailand

Co-Chair

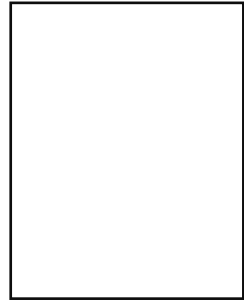


**Prof. Dr. Vinich Promarak**  
Vidyasirimedhi Institute of  
Science and Technology,  
Thailand

### Keynote Speakers



**Assoc. Prof. Dr. Jin Wook Lee**  
Sungkyunkwan University,  
Korea

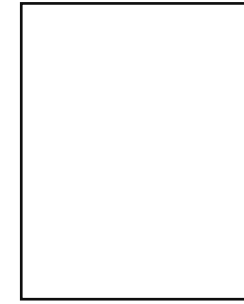


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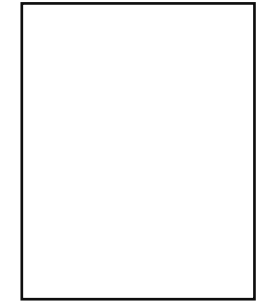
### Invited Speakers



**Prof. Ts. Dr. Mohd Ikmar Nizam Bin Mohamad Isa**  
Universiti Sains Islam Malaysia, Malaysia



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 4 : Environmental Protection Materials

Chair



Prof. Soo Wahn Lee  
Sun Moon University, Korea

Chair



Dr. Pavadee Aungwattana  
National Nanotechnology Center  
(NANOTEC) NSTDA, Thailand

Co-Chair



Assoc. Prof. Dr. Oratai Jongprateep  
Kasetsart University, Thailand

Co-Chair



Assoc. Prof. Dr. Sorapong Pavasupree  
Rajamangala University of Technology Thanyaburi,  
Thailand

Co-Chair



Assoc. Prof. Dr. Theeranun Siritanon  
Suranaree University of Technology,  
Thailand

### Keynote Speakers

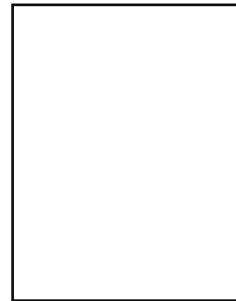


Assoc. Prof. Dr. Wenpei Gao  
Shanghai Jiao Tung University,  
China

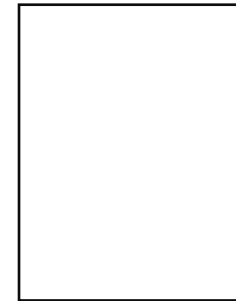


Assoc. Prof. Dr. Theeranun Siritanon  
Suranaree University of Technology,  
Thailand

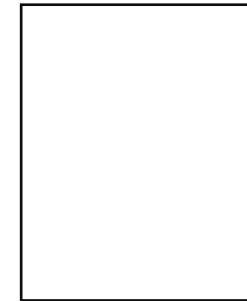
### Invited Speakers



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 5 : Surface Coatings, Additive Manufacturing and Long-Term Use Materials

**Chair**



**Prof. Xiaolu Pang**  
University of Science and Technology Beijing,  
China

**Chair**



**Prof. Jyh-Wei Lee**  
Ming Chi University of Technology,  
Taipei, Taiwan (R.O.C.)

**Co-Chair**



**Dr. Anchalee Manonukul**  
National Metal and Materials  
Technology Center, Thailand

**Co-Chair**



**Prof. Dr. Wisanu Pecharapa**  
King Mongkut's Institute of  
Technology Ladkrabang, Thailand

**Co-Chair**



**Dr. Monchai Jitvisate,**  
Suranaree University of Technology,  
Thailand

### Keynote Speakers



**Prof. Jyh-Wei Lee**  
Ming Chi University of Technology,  
Taipei, Taiwan (R.O.C.)

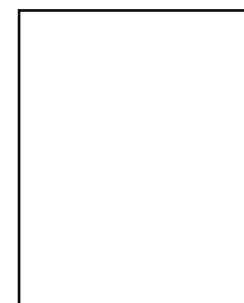


**Assoc. Prof. Dr. Patama Visuttiptikul**  
Chulalongkorn University, Thailand

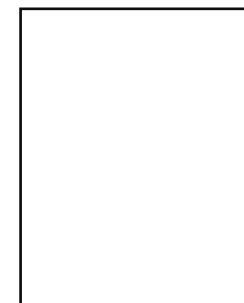


**Asst. Prof. Dr. Peerawatt Nunthavarawong**  
King Mongkut's University of Technology  
North Bangkok, Thailand

### Invited Speakers



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 6 : Bioinspired and Biocompatible materials for health care

### Chair



**Prof. Bih-Show Lou**  
Chang Gung University,  
Tao-Yuan, Taiwan (R.O.C.)

### Chair



**Assoc. Prof. Dr. Winita Punyodom**  
Chiang Mai University, Thailand

### Co-Chair

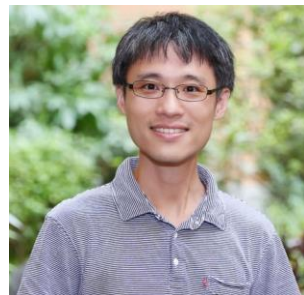


**Assoc. Prof. Dr. Anyanee Kamkaew**  
Suranaree University of Technology, Thailand

### Keynote Speakers



**Prof. Bih-Show Lou**  
Chang Gung University,  
Tao-Yuan, Taiwan (R.O.C.)

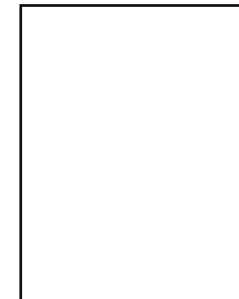


**Dr. Ching-Wei Lin**  
Institute of Atomic and Molecular Sciences  
Academia Sinica, Taipei, Taiwan (R.O.C.)

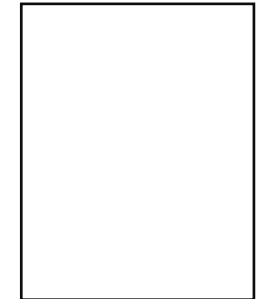


**Assoc. Prof. Dr. Anyanee Kamkaew**  
Suranaree University of Technology, Thailand

### Invited Speakers



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Symposium 7 : Artificial Intelligence-Based Computational and Data-Driven Materials Engineering

**Chair**



**Prof. Dr. Yoshiyuki Kawazoe**  
Tohoku University, Japan

**Chair**



**Prof. Dr. Siriporn Jungstuwong**  
Ubon Ratchathani University, Thailand

**Co-Chair**



**Assoc. Prof. Dr. Sirichok Jungthawan**  
Suranaree University of Technology, Thailand

**Co-Chair**



**Dr. Ittipon Fongkaew**  
Suranaree University of Technology, Thailand

### Keynote Speakers



**Prof. Ziqiang Dong**  
Shanghai University, China



**Prof. Dr. Yoshiyuki Kawazoe**  
Tohoku University, Japan

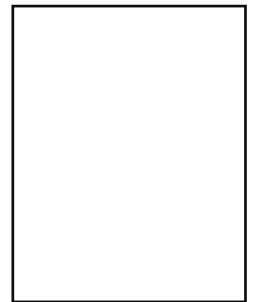


**Dr. Supawadee Namuangruk**  
National Nanotechnology Center, Thailand

### Invited Speakers



**Asst. Prof. Dr. Cheng-Chau Chiu**  
National Sun Yat-sen University, Taiwan (R.O.C.)



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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Special Symposium 1 : Material Intelligence: Highly-efficiency in-material AI computing

**Chair**



**Prof. Dr. Santi Maensiri**  
Suranaree University of Technology, Thailand

**Co-Chair**



**Prof. Dr. Hirofumi Tanaka**  
Kyushu Institute of Technology, Japan

**Co-Chair**



**Assoc. Prof. Dr. Suwit Suthirakun**  
Suranaree University of Technology, Thailand

**Keynote Speakers**



**Prof. Dr. Hirofumi Tanaka,**  
Kyushu Institute of Technology,  
Japan



**Prof. Dr. Zdenka Kuncic**  
University of Sydney,  
Australia



**Prof. Dr. Hakaru Tamukoh**  
Kyushu Institute of Technology,  
Japan



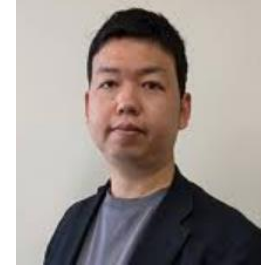
**Dr. Yuichiro Tanaka**  
Kyushu Institute of Technology,  
Japan



**Dr. Yuki Usami**  
Kyushu Institute of Technology,  
Japan



**Dr. Osamu Nomura**  
Kyushu Institute of Technology,  
Japan



**Dr. Masanori Takabayashi**  
Kyushu Institute of Technology,  
Japan

**Invited Speakers**

# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Special Symposium 2 : Hydrogen production and Applications

### Chair



**Prof. Jae Sung Lee**  
Ulsan National Institute of Science  
& Technology, Korea

### Co-Chair



**Assoc. Prof. Rapee Utke**  
Suranaree University of Technology, Thailand

### Keynote Speakers



**Prof. Jae Sung Lee**  
Ulsan National Institute of Science  
& Technology, Korea

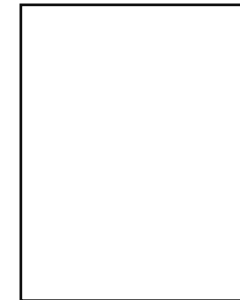


**Dr. rer. Nat. Claudio Pistidda**  
Helmholtz Zentrum Hereon,  
Germany

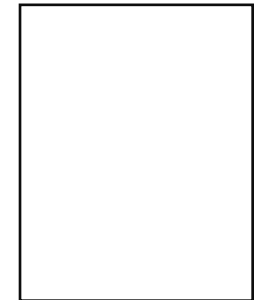


**Assoc. Prof. Rapee Utke,**  
Suranaree University of Technology,  
Thailand

### Invited Speakers



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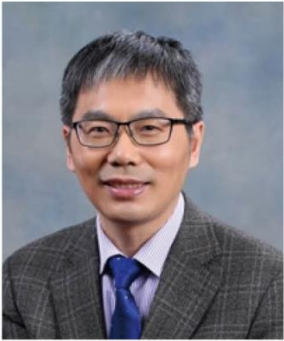


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# Academic Committee : Symposium (Chair, Co-Chair, KN, INV)

## Special Symposium 3: Materials Education Forum : Education Today, Innovation Tomorrow

**Chair**



**Prof. Webin Cao**  
Beijing University of Science and  
Technology, China

**Chair**



**Prof. Tohru Sekino**  
ISIR, Osaka University, Japan

**Co-Chair**



**Prof. Soo Wahn Lee**  
Sun Moon University, Korea

**Co-Chair**



**Prof. Yafang Han**  
Beihang University, China

**Co-Chair**



**Prof. Santi Maensiri**  
Suranaree University of Technology, Thailand

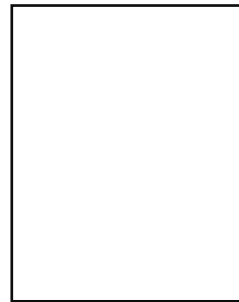
**Keynote Speakers**



**Prof. Ts. Dr. Mohd Ikmar Nizam Bin Mohamad Isa**  
Universiti Sains Islam Malaysia, Malaysia

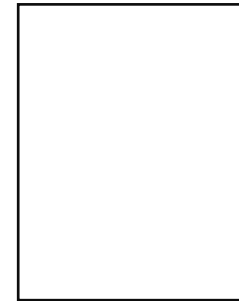


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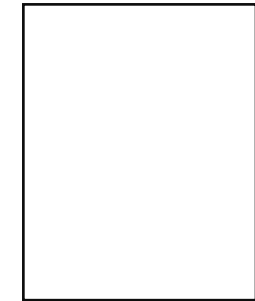


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**Invited Speakers**



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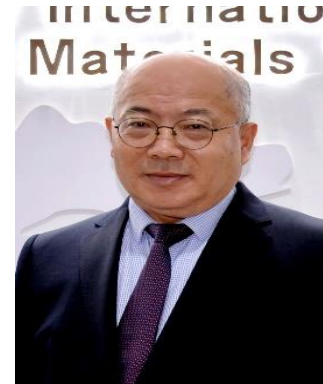


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## Potential Keynote speakers



**Prof. Chuan-Feng Shih**  
National Cheng Kung University, Taiwan (R.O.C.)

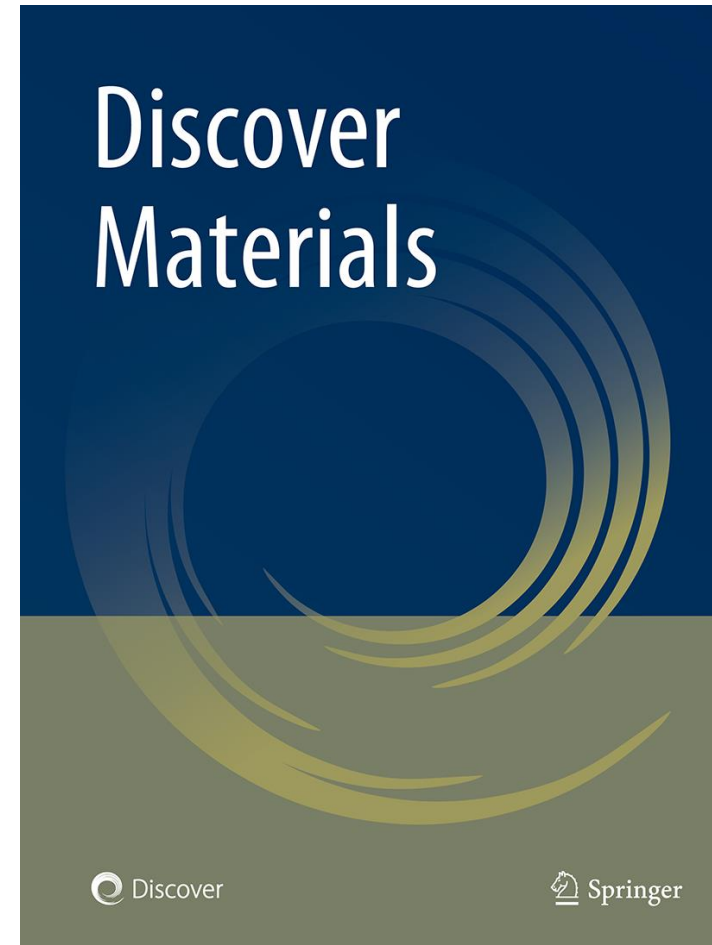


**Prof. Jianguo Tang**  
Qingdao University, China

# Potential Journals/Publications

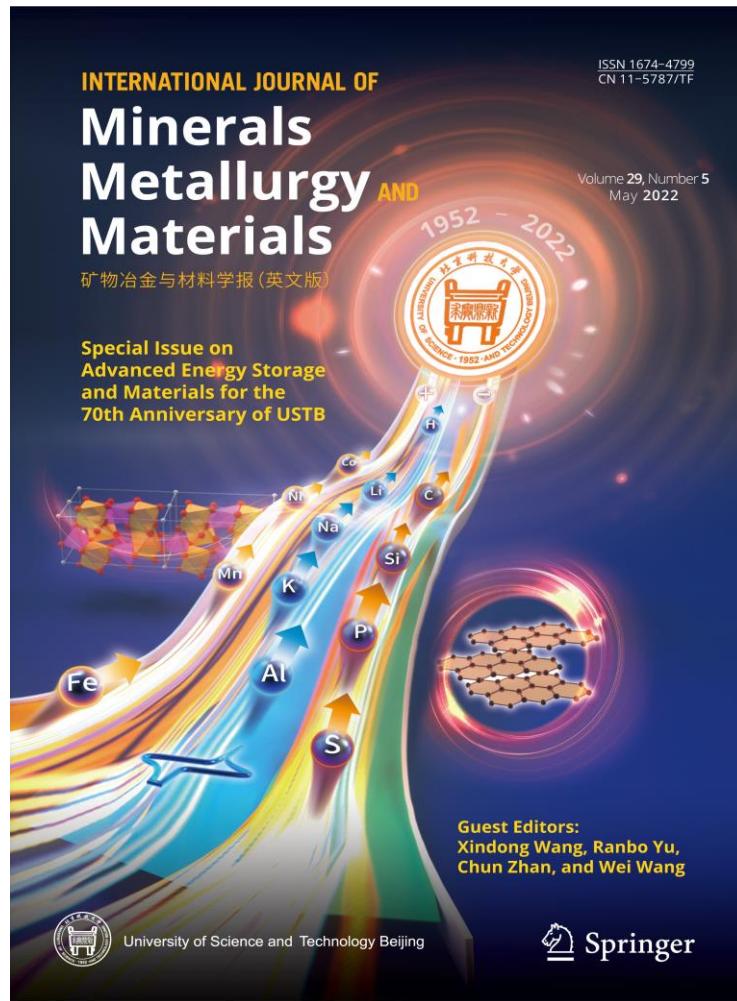


Nano Express (IoP) JIF = 3.0  
<https://iopscience.iop.org/journal/2632-959X>

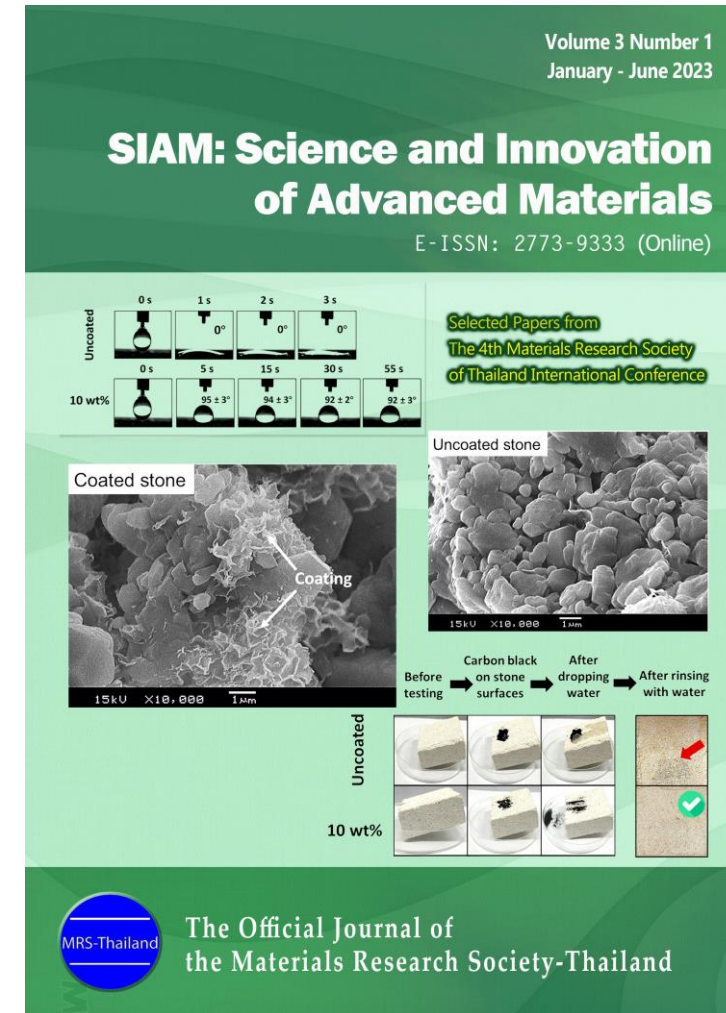


Discover Materials (Springer)  
<https://link.springer.com/journal/43939>

# Potential Journals/Publications

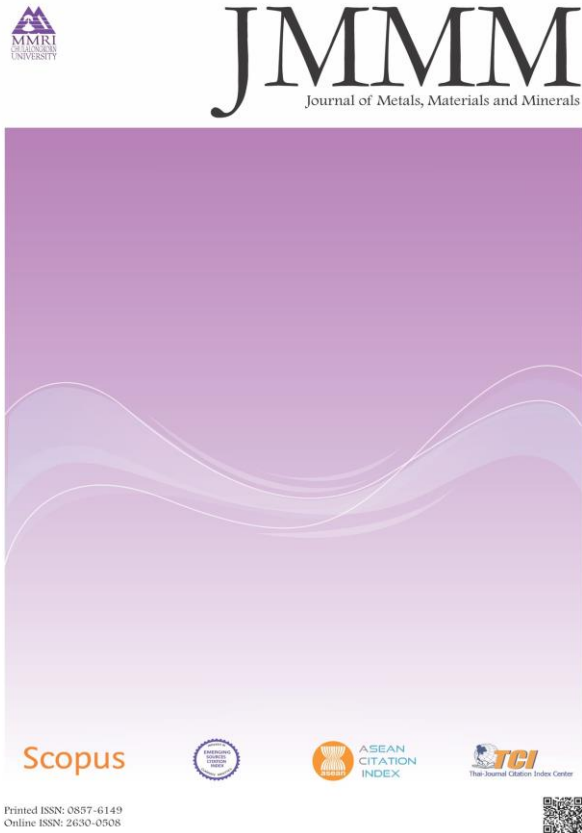


International Journal of Minerals, Metallurgy and Materials  
<https://www.springer.com/journal/12613>

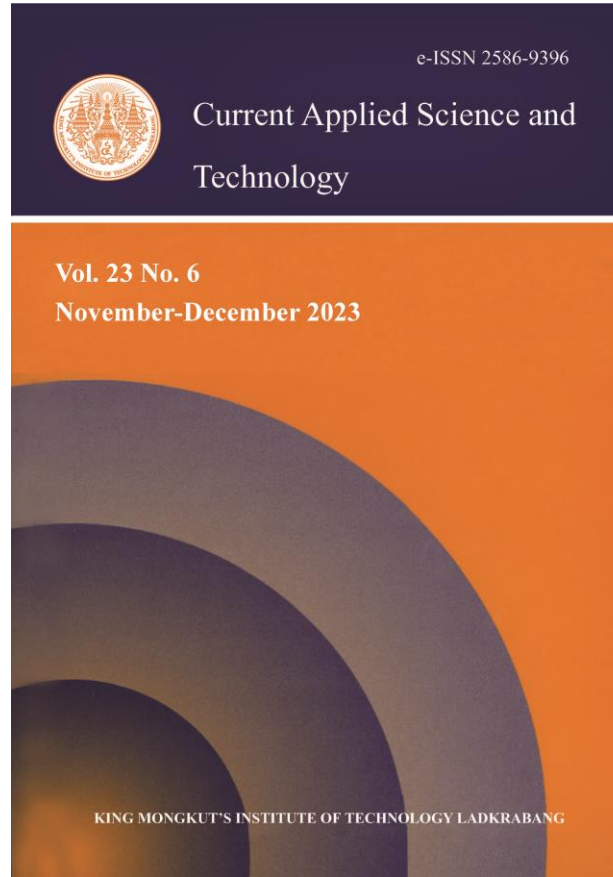


SIAM : Science and Innovation of Advanced Materials  
<https://ph02.tci-thaijo.org/index.php/SIAM/index>

# Potential Journals/Publications



Journal of Metals, Materials and Minerals (JMMM)  
<https://jmmm.material.chula.ac.th/index.php/jmmm/about/submissions>



Current Applied Science and Technology  
<https://li01.tci-thaijo.org/index.php/cast>



Chiang Mai Journal of Science  
<https://epg.science.cmu.ac.th/ejournal/>

# Important dates

- **Abstract Submission Open** → **September 15, 2023**
- **Abstract Submission Deadline** → **November 15, 2023**
- **Extended Abstract** → **November 30, 2023**
- **Notification of Abstract Acceptance** → **December 10, 2023**
- **Registration Deadline for Presenter** → **December 15, 2023**
- **Early Bird Registration** → **December 15, 2023**
- **Full Paper Submission** → **January 1 – February 15, 2024**



# Registration Fee

Participant types	Early bird No Later Than December 15, 2023	Normal December 16, 2023 – January 15, 2024	Late & on conference day January 16–21, 2024
Presenter (MRS–Thailand member)	<b>10,000 Baht</b> (350 USD)	<b>12,000 Baht</b> (400 USD)	<b>14,000 Baht</b> (450 USD)
Presenter (Non-Member)	<b>13,000 Baht</b> (450 USD)	<b>16,000 Baht</b> (550 USD)	<b>17,500 Baht</b> (600 USD)
Students (member)	<b>8,000 Baht</b> (300 USD)	<b>10,000 Baht</b> (400 USD)	<b>12,000 Baht</b> (450 USD)
Students	<b>9,000 Baht</b> (350 USD)	<b>11,000 Baht</b> (400 USD)	<b>13,000 Baht</b> (500 USD)
Accompanying Person	<b>6,000 Baht</b> (250 USD)	<b>8,000 Baht</b> (350 USD)	<b>10,000 Baht</b> (400 USD)

# Sponsorship

Level/Benefit	Platinum 100,000 Baht (3000 USD)	Gold 50,000 Baht (1500 USD)	Silver 30,000 Baht (900 USD)
Booth	Two (3m. x 2m.)	One (3m. x 2m.)	One (3m. X 2m.)
Waive of Registration	4	2	2
Logo on Main Stage	Yes	No	No
Logo in Website/FB	Yes	Yes	Yes
Logo in E-Abstract Book	Yes (Back Cover)	Yes (Inside Back Cover)	Yes
Logo in Program Book	Yes (Back Cover)	Yes (Inside Back Cover)	Yes
Logo on PR Board	Yes	Yes	Yes
Plaque Presentation in Opening Ceremony	Yes	No	No
Plaque Presentation in Banquet	No	Yes	No
Certificate Presentation in Banquet	No	No	Yes

## Website of ISEPD 2024

<https://isepd2024.com/index.php>

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# Thank You!

**21 -24 January 2024**

**Mueang Nakorn Ratchasima, Thailand**

**Hosted by Materials Research Society of Thailand (MRS-Thailand)  
& Suranaree University of Technology**