



**International Electric Vehicle
Technology Conference and Exhibition**

7th International Electric Vehicle Technology Conference and Exhibition

(iEVTech 2022)

Future Mobility Aspiration through Bio-Circular-Green Economy within APEC

14 - 16 September 2022

QSNCC, Bangkok, Thailand

Organized by

Electric Vehicle Association of Thailand (EVAT)

Co-organized by

Informa Markets - Thailand

With the aim to help coordinate and promote green transportation in the region, Electric Vehicle Association of Thailand (EVAT) in partnership with Informa Market has the pleasure to give a warm welcome to all speakers and delegates from ASEAN and its partners around the world to the Seventh International Electric Vehicle Technology Conference and Exhibition (iEVTech 2022). The event this year will be held on 14 - 16 September 2022, QSNCC, Bangkok, Thailand. The conference will be focused on the following topics

- Policy and Trends
- Energy Supply & Storage Systems
- Traction Motor & Drive Systems and Components
- Charging Infrastructure

The organizer hopes that iEVTech 2022 will become an international platform for researchers, designers, developers, policy maker and EV potential users to gather knowledge from leading experts around the world and share ideas and from one another. We hope that such information exchange will contribute to the development of electrified transport technology toward the smart and sustainable transport in ASEAN and the world.



International Electric Vehicle Technology Conference and Exhibition

Conference Committee

Honorary Chair

C. C. Chan

Founding President of World Electric
Vehicles Association

Yoichi Hori

Tokyo University of Science, Japan

Yossapong Laoonual

Honorary Chairman of EVAT, Thailand

Advisor

Pisit Rangaritwutikul

President of Thailand Automotive Institute
and Advisors of EVAT, Thailand

General Chair

Krisda Utamote

President of EVAT, Thailand

General Vice Chair

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Vice President of EVAT, Thailand

Suroj Sangsnit

Vice President of EVAT, Thailand

Uthane Supatti

Vice President of EVAT, Thailand

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Technical Program Committee

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Pongpan Kaewtatip

Vice President of EVAT, Thailand

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Amornrat Kaewpradap

KMUTT, Thailand

Kitchanon Ruangjirakit

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Nuwong Chollacoop

ENTEC, NSTDA/TESTA

Pimpa Limthongkul

ENTEC, NSTDA/TESTA

Uthane Supatti

Kasetsart University, Thailand

Exhibition Committee

Chair

Chantakorn David

GridWhiz

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Committee

Tamonwan Cholpratin

Kistler



International Electric Vehicle Technology Conference and Exhibition

Local Arrangement Committee

Atthawit Techawiboonwong	Changan Automobile Thailand
Warakorn Katikawong	Thai Electric Vehicle
Pimuk Pengpit	AXA Partners Thailand
Thepparat Klamrassamee	KMUTT, Thailand
Siamnat Panassorn	Tri Petch Isuzu Sales Co., Ltd.
Chana Yiangkamolsing	Innova-Pack Co., Ltd.
Wilunda Wattanadumrong	ETRAN Thailand
Viroj Patcharawattanakul	AAPICO
Thana Vivathirun	ABeam Consulting Thailand
Thanyalak Kormanee	EVAT, Thailand

Conference Secretary

Montira Watcharasukarn	AFRY, Thailand
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Conference Co-Secretary

Montana Rungsiyopas	BUU, Thailand
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International Electric Vehicle Technology Conference and Exhibition

Important Dates

Online Registration: Now - 7 September 2022

Registration

Categories	Early-Bird Rate (THB) (31 August 2022)		Normal Rate (THB) (After 31 August 2022)	
	Member	Non-Member	Member	Non-Member
Full Registration	2,000	3,500	3,500	5,000
Day Pass -14 September	Free	1,500	1,500	2,000
Day Pass -15 September	1,500	2,500	2,500	3,500

*Registration fees are included VAT 7%.

REMARKS:

1. Full Registration Rate covers 14 - 15 September 2022 Conference including Networking Reception.
2. Member means member of EVAT, EVAAP, ASEAN EV Associations (EVAM, EVAP, EVAS), EV Asia Exhibitors and KEVA. Please note that members of the above associations are required to present a valid membership card/ document at the registration desk. Failure to provide a valid membership card/document will result in extra charge at non-member rates.

Register website: www.evat.or.th

Contact:

Dr. Montira Watcharasukarn
Conference Secretary
Email: iEVTech@evat.or.th
Tel: +66 (0) 86-390-3339



**International Electric Vehicle
Technology Conference and Exhibition
Program at a Glance**

Time/Date	14 September 2022		15 September 2022			16 September 2022	
08:30 - 09:00	Registration		Registration			Registration	
09:00 - 12:00	ASEAN Sustainable Energy Week 2022 Opening Ceremony	Exhibition (10:00-18:00)	Future of Electric Mobility (In collaboration with GIZ & CharIN) (Parallel Session) Session Chair: Dr. Uthane Supatti Room 209A	Role of EV toward Carbon Neutrality (in collaboration with TESTA & UNEP) (Parallel Session) Session Chair: Dr. Pimpa Limthongkul & Dr. Nuwong Chollacoop Room 209B	Exhibition (10:00-18:00)	Exhibition (10:00-18:00)	
12:00 - 13:30							
13:30 - 16:30	iEVTech Opening Ceremony and Special Forum		EV knowledge sharing (Parallel Session) Session Chair: Tamonwan Cholpratin Room 209A	Taiwan Mobility Session (Parallel Session) Session Chair: Dr. Kitchanon Ruangjirakit Room 209B			
18:00 - 20:00	Welcome Dinner Hosted by Informa Markets		Banquet Hosted by EVAT				



International Electric Vehicle Technology Conference and Exhibition

14 September 2022

Afternoon Session (12:30 – 17:00)

Exhibition Hall, Conference Theater A, QSNCC, Bangkok, Thailand

Future Mobility Aspiration through Bio-Circular-Green Economy within APEC
Opening Ceremony

Agenda

- 12:30 - 13:30** **Registration**
- 13:30 - 13:50** **Welcoming speech by organizers**
Mr. Krisda Utamote, President of Electric Vehicle Association of Thailand
Mr. Sanchai Noombunnam, Country General Manager - Thailand, Informa Markets - Thailand
- 13:50 - 14:15** **Opening Remark and Special keynote “Thailand’s Investment Opportunities for Electric Vehicles towards the Bio-Circular-Green Economy”**
Mr. Narit Therdsteeerasukdi, Deputy Secretary General of The Board of Investment of Thailand
- 14:15 - 14:25** **Opening Ceremony and Photo session**
- 14:25 - 16:15** **Future Mobility Aspiration through Bio-Circular-Green Economy within APEC**
- Chargé d’Affaires’ Gwendolyn Cardno
US Embassy
- Mr. Wattanapong Kurovat,
Director General
Energy Policy and Planning Office (EPPPO)
- Mr. Hirofumi Oima
Director for Automotive International Trade Policy Automobile Division, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry (METI), Japan
- Mr. Warit Rattanachuen
Assistant Governor – Project Management Office (PMO)
Electricity Generating Authority of Thailand (EGAT)
- Dr. Hsiang-Wei Ho
Section Chief
Department of Industrial Technology, Ministry of Economic Affairs, Taiwan
- Moderator**
Dr. Wit Sitthivakin, Financial Journalist the Standard
- 16:15-16:40** **Special keynote “EV Market Outlook 2022”**
by Mr. Allen Tom Abraham
Lead Transport Analyst, India, Southeast Asia and Australia, Bloomberg New Energy Finance
- 16:40** **Closing Session** by Dr. Pongpan Kaewtatip, Vice President, EVAT



International Electric Vehicle Technology Conference and Exhibition

15 September 2022

Morning Session (09:00 – 12:30)

Room 209A, QSNCC, Bangkok, Thailand.

The Future of Electric Mobility in Bangkok Metropolitan
(In collaboration with GIZ & CharIN)

Agenda

(Session Chair: Dr. Uthane Supatti, MC: Mr.Pan Piyasil)

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|----------------------|---|
| 09:00 – 09:30 | Registration |
| 09:30 – 09:40 | Welcoming speech
Mr. Krisda Utamote, President of Electric Vehicle Association of Thailand
Dr. Dominika Kalinowska, Director Transport Projects Thailand / ASEAN, GIZ |
| 09:40 – 10:00 | Vision for Electric Car Ecosystem in Bangkok Metropolitan
Speaker: Assoc. Prof. Dr. Wisanu Subsompon, Bangkok Metropolitan Deputy Governor (TBC)
Talking points <ul style="list-style-type: none">• Ideas and concepts of Bangkok Governor’s policy on “Supporting the Electric Car• Case examples of electric and shared mobility from Chulalongkorn University (or else) that could be interesting to pilot and scale up in district/city level• What do Bangkokians gets? |
| 10:00 – 10:20 | Shaping the Future of Mobility on city level – international best-practices
Speaker: Christian Hochfeld, Agora Verkehrswende
Talking points <ul style="list-style-type: none">• The importance of integrated planning for e-mobility transformation in urban areas and role of local government• Case examples of public-private partnership to foster new business models on district/city level, i.e., sharing and connected mobility, autonomous vehicle, and public transport electrification• What could be the key role of local government in urban EV development? |
| 10:20 – 10:40 | Sustainable transition toward e-mobility in Bangkok
Speaker: Tanit Menaneatra, Metropolitan Electricity Authority, MEA
Talking points <ul style="list-style-type: none">• MEA’s plan on SMART City and e-mobility in Bangkok• Current and upcoming MEA’s activities on e-mobility, i.e., E-Bus, MEA EV Application, EV Smart Charging Station, EV Home Charger Installation Package, etc.• How would the development of e-mobility in Bangkok affect MEA’s grid management and benefit Bangkokians? |
| 10:40 – 11:00 | Charging infrastructure requirements and design for urban applications
Speaker: Mr. Jacques Borremans, Managing Director Asia, CharIN
Talking points <ul style="list-style-type: none">• Infrastructure / Battery size for busses depending on length of route, topography, etc.... & also introduce the MegaWatt Charging System specifically designed for fast charging of Busses & trucks.• Case examples of technical options and designs for public and residential charging infrastructure in the urban context• Bidirectional charging and smart design for energy management in household, district, and city level• What are the international experiences on e-mobility and charging infrastructure that could be applicable to Bangkok? |
| 11:00 – 11:15 | Coffee Break |



International Electric Vehicle Technology Conference and Exhibition

11:15 – 12:30

Panel Discussion on Shaping the Future of Mobility for Bangkok Metropolitan

Panelist 1	Assoc. Prof. Dr. Wisanu Subsompon, Bangkok Metropolitan Deputy Governor
Panelist 2	Christian Hochfeld, Agora Verkehrswende
Panelist 3	Tanit Menaneatra, Metropolitan Electricity Authority, MEA
Panelist 4	Mr. Jacques Borremans, Managing Director Asia, CharIN
Moderator	Mr. Pan Piyasil, Technical Advisor, GIZ

Discussion points

- With these international experiences, what could be interesting to apply to Bangkok Metropolitan?
- How could private companies, investors, and financial institutes play roles in the future of e-mobility in Bangkok?
- How human resource development play a role in Bangkok's e-mobility development?

Note: there could be more guiding questions derived from the presentation contents, panelists, and the audiences



International Electric Vehicle Technology Conference and Exhibition

15 September 2022

Morning Session (09:00 - 12:00)

Room 209B, QSNCC, Bangkok, Thailand.

Role of EV toward Carbon Neutrality
(In collaboration with TESTA & UNEP)

Agenda

(Session Chair: Dr. Pimpa Limthongkul, MC: Dr. Nuwong Chollacoop)

09:00 - 09:30	Registration
09:30 - 09:35	Welcoming speech Assoc.Prof.Dr. Pongpan Kaewtatip, Executive Committee, Thailand Energy Storage Technology Association (TESTA)
09:35 - 10:00	Keynote: UNEP Global Electric Mobility Programme (Recording) Mr. Yeonju Jeong, Associate Programme Management Officer, United Nations Environment Programme (UNEP)
10:00 - 10:05	Group photo
10:05 - 10:40	Update on Electric Two-and Three-Wheelers Progress in the Philippines Mr. Edmund Araga, President, Asian Federation of Electric Vehicles Association (AFEVA)
10:40 - 11:00	Break
11:00 - 11:20	Update on National Battery Swapping Initiative for Electric Motorcycle Dr. Pimpa Limthongkul, National Energy Technology Center (ENTEC)
11:20 - 11:40	Mainstreaming Electric Mobility Two and Three-Wheelers in Thailand Dr. Peerawat Saisirirat, National Energy Technology Center (ENTEC)
11:40 - 12:00	Q&A



International Electric Vehicle Technology Conference and Exhibition

15 September 2022

Afternoon Session (13:00 – 16:30)

Room 209A, QSNCC, Bangkok, Thailand.

EV knowledge sharing: EV technologies for sustainable transport
(Parallel Session)

Agenda

(Session Chair: Tamonwan Cholpratin, MC: Ms. Veenarat Laohapakakul, Newscaster of one31 Channel)

13:00 – 13:30	Registration
13:30 – 13:35	Welcoming Speech Mr. Suroj Sangsnit, Vice President for Industry of Electric Vehicle Association of Thailand (EVAT)
13:35 – 14:05	Topic: OR in EV knowledge sharing Mr. Panupan Subjarassang, Vice President, Physical Platform Engineering and Maintenance
14:05 – 14:35	Topic: E-mobility and the trend in application of copper conductors Mr. Arthit Prathumpuang, Vice President (Business Development and Marketing) Oriental Copper Co., Ltd.
14:35 – 14:55	Coffee break
14:55 – 15:25	Topic: BMW's Vision towards Carbon Neutrality Mr. Opas Noppornpitak, Manager Corporate Communications BMW Manufacturing (Thailand) Co., Ltd.
15:25 – 15:55	Topic: Batteries made by Laser Mr. Markus Lindemann, Regional Director Laser Division, Sales & Technology TRUMPF Ltd.
15:55 – 16:15	Q&A



International Electric Vehicle Technology Conference and Exhibition

15 September 2022

Afternoon Session (13:00 – 16:30)

Room 209B, QSNCC, Bangkok, Thailand.

Taiwan Mobility Session
(Parallel Session)

Agenda

(Session Chair: Dr. Kitchanon Ruangjirakit & Dr. Jet P.H. Shu)

13:00 – 13:30	Registration
13:30 – 13:45	Welcoming Speech and Update on Current EV Status in Thailand Mr. Krisda Utamote, President of Electric Vehicle Association of Thailand (EVAT)
13:45 – 14:00	Opening Remarks and Update on Current EV and Autonomous Vehicles Status in Taiwan Dr. Jet P.H. Shu, Advisor of Mobility Taiwan Auto Research Consortium (mTARC)
14:00 – 14:20	Introduction of Autonomous and Electric Vehicles Development Capacity Built in Taiwan Mr. Vector Yeh, R&D Manager, Automotive Research & Testing Center (ARTC)
14:20 – 14:40	Electrification and Automation of Public Transportation Miss Jenny Lai, Sales Account Manager of Tron Energy Technology Co., Ltd.
14:40 – 15:00	The Practice Sharing on Thailand Lithium-ion Batteries Manufacturing and Development in Asia Market Miss Daphne Wong, Director of Amita Technologies, Inc.
15:00 – 15:15	Coffee Break
15:15 – 15:35	Sandbox of Autonomous Vehicle Trials in Taiwan Mr. James Lei, Director of Autonomous Vehicles Technology Innovative Experimentation Program Office (AVTEP), DoIT, MOEA.
15:35 – 15:55	Autonomous Driving Incentive Technology for Future Development Dr. Kelvin Chen, Deputy Division Director of MMSL, Industrial Technology Research Institute.
15:55 – 16:15	Driver Assistance System Solutions: Parking (Surrounding) & Driving (Front) Mr. James Chao, Sales & Marketing Manager, Thai Whetron Electronics Co., Ltd.
16:15 – 16:30	Q&A and Closing Remarks