



Organised by



SHAPING THE FUTURE OF ELECTRIC VEHICLE ECOSYSTEM

30 August – 1 September 2023
QSNCC, Bangkok, Thailand



iEVTech 2023

8th International Electric Vehicle Technology Conference and Exhibition (iEVTech 2023)
Electric Vehicle Association of Thailand

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OC-ETP[®]



Website



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iEVTech

8th International Electric Vehicle
Technology Conference and Exhibition (iEVTech 2023)

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iEVTech 2023

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 Eighth International Electric Vehicle Technology Conference and Exhibition (iEVTech 2023). The event this year will be held on 30 August – 1 September 2023, 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 2023 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.

CONTENTS

- 01 Welcome Message

- 03 Conference Committee

- 04 Program at a glance

- 05 Conference Program

- 09 Shaping the Future of
Electric Vehicle Ecosystem

- 17 Global Update Session

- 20 EV knowledge sharing

- 26 Shaping the Future of Safe and
Sustainable Battery Management
in Thailand



Mr. Krisda Utamote

**President of Electric Vehicle
Association of Thailand**

As you are well aware that we are coming to the period in which the electric car markets are seeing exponential growth as the global sales exceeded 10 million in 2022.

A total of 14% of all new cars sold globally were electric in 2022, up from around 9% in 2021 and less than 5% in 2020.

Three markets dominated global sales. China was the frontrunner, accounting for around 60% of global electric car sales. More than half of the electric cars on roads worldwide are now in China and the country has already exceeded its 2025 target for new energy vehicle sales.

In Europe, the second largest market, electric car sales increased by over 15% in 2022, meaning that more than one in every five cars sold was electric.

Electric car sales in the United States – the third largest market – increased 55% in 2022, reaching a sales share of around 8%.

These are promising figures for emerging EV markets last year. In Asia, 2022 was a growth year in Thailand as well. The growth of EV cars in 2022 was nearly 400% compared to 2021. Thailand has been strengthening the government's support schemes, providing incentives for EV car buyers, and at the same time, attracting car manufacturers to invest in EV production facilities locally. According to the BOI, we have over 14 car manufacturers with the commitment for EV production from 2024 onwards.

Welcome Message

Welcome Message from President of Electric Vehicle Association of Thailand

At the same time, battery manufacturing will also continue to expand, and with the draft incentive packages by the National EV board on battery cell production support, we foresee new business opportunities around the local battery value chain to also grow rapidly.

• To support Thailand's vision on Carbon Neutrality and to drive the country's electrification plan, the Electric Vehicle Association of Thailand (or EVAT), aims to support the entire EV industry to stimulate the growth of EV and its ecosystem. And by doing so, EVAT in partnership with Informa Market have the pleasure to give a warm welcome to all delegates at the 8th International Electric Vehicle Technology Conference and Exhibition (iEVTech 2023) to discuss

- Policy and Trends
- Energy Supply & Storage Systems
- Drive Systems and Components
- Charging Infrastructure and many more

• Today is also a very special occasion for EVAT and our overseas partners to engage in educational collaboration.

• We'll be signing the MoU with the Chengdu Vocational & Technical College of Industry from China, represented by Mr. Jiao Yan, Director of International Cooperation Department.

• And we also have a pleasure to sign the MoU with the Mayor of Yeonggwang-gun from Korea, Mr. Kang Jong-Man, to foster our collaborative support on EV business opportunities between Korea and Thailand today as well.

• On behalf of the Electric Vehicle Association of Thailand (EVAT), it has been our great pleasuring in co-organizing the iEVTech 2023 with Informa Markets and at the same time, I would like to take this opportunity to welcome all participants at the iEVTech 2023 as well.

• And of course, special thanks to all the EV association presidents and EV association representatives from the Philippines, Malaysia, Indonesia, Singapore.

• I'm confidence that your participation and information exchange will contribute to shaping the future of Electric Vehicle Ecosystem within ASEAN and the world.

- Thank you very much.

Welcome Message

Welcome Message from Country General Manager - Thailand Informa Markets - Thailand

I am very pleased to be the co-organised of the 8th International Electric Vehicle Technology Conference or iEVTech

The future of the Thai Electric Vehicle (EV) industry is growing steadily by following the trend towards zero carbon emissions. Thailand aims to be the regional manufacturing hub and also automotive parts supplier for EVs by 2030. Technology and innovation can help to solve pollution problems for Thailand such as greenhouse gas emissions, the PM2.5 problem and it also presents outstanding opportunities for business and industries related to EV. Development of the electric vehicle industry is gaining strong momentum as the government and private sectors are working to make Thailand a major EV production hub. There is also great enthusiasm among local car users, attracted by the environment-friendly advantages, reasonable prices and increased confidence in its long-term use.

On behalf of Informa Markets, I would like to thank the Electric Vehicle Association of Thailand (EVAT) for their partnership in organizing this conference and helping to drive the industry forward well into the future. Lastly, I would like to extend our deep appreciation to Speakers, Exhibitors, and Participants for their participation in the conference. Thank you.



Mr. Sanchai Noombunnam

*Country General Manager - Thailand
Informa Markets - Thailand*



Conference Committee

Honorary Chair

C. C. Chan

Yoichi Hori
Yossapong Laonual

Advisor

Pisit Rangsaritwutikul

General Chair

Krisda Utamote

General Vice Chair

Pongpan Kaewtatip
Suroj Sangsnit
Uthane Supatti
Jaturong Suriyasasin

Technical Program Committee

Chair

Pongpan Kaewtatip

Committee

Kitchanon Ruangjirakit
Nuwong Chollacoop
Pimpa Limthongkul
Uthane Supatti
Patcharawat Charoen-amornkitt

Exhibition Committee

Chair

Chantakorn David Gridwitchayayarkarn

Committee

Tamonwan Cholpratin

Local Arrangement Committee

Atthawit Techawiboonwong
Warakorn Katikawong
Pimuk Pengpit
Thepparat Klamrassamee
Siamnat Panassorn
Chana Yiangkamolsing
Wilunda Wattanadumrong
Viroj Patcharawattanakul
Thana Vivathirun
Thanyalak Kormanee

Conference Secretary

Montira Watcharasukarn

Conference Co-Secretary

Montana Rungsiyopas

Founding President of World Electric
Vehicles Association

Tokyo University of Science, Japan
Honorary Chairman of EVAT, Thailand

President of Thailand Automotive Institute
and Advisors of EVAT, Thailand

President of EVAT, Thailand

Advisor of EVAT, Thailand
Vice President of EVAT, Thailand
Vice President of EVAT, Thailand
Vice President of EVAT, Thailand

Advisor of EVAT, Thailand

KMUTT, Thailand
ENTEC, NSTDA/TESTA
ENTEC, NSTDA/TESTA
Kasetsart University, Thailand
KMUTT, Thailand

GridWhiz

Kistler

Changan Automobile Thailand
Thai Rokuha Co.,Ltd.
Siemens Limited
KMUTT, Thailand
Sun-up Recycling Co.,Ltd.
Innova-Pack Co., Ltd.
ETRAN Thailand
AAPICO
ABeam Consulting Thailand
EVAT, Thailand

AFRY, Thailand

BUU, Thailand

Program at a Glance

| Time/Date | 30 August 2023 | 31 August 2023 | 1 September 2023 |
|---------------|---|---|---|
| 08:30 - 09:00 | Registration | Registration | Registration |
| 09:00 - 12:00 | <p>ASEAN Sustainable Energy Week 2023 Opening Ceremony</p> | <p>Global Update Session (in collaboration with UNEP & UNESCAP) Session Chairs: Dr. Nuwong Chollacoop Room MR 109 B</p> | Exhibition (10:00-18:00) |
| 12:00 - 13:30 | Exhibition (10:00-18:00) | | |
| 13:30 - 16:30 | <p>iEVTech Opening Ceremony and Special Forum Room MR 110</p> | <p>EV knowledge sharing (Parallel Session) Session Chair: Ms. Tamonwan Cholpratin Room MR 109 A</p> | <p>Shaping the Future of Safe and Sustainable Battery Management in Thailand (In collaboration with GIZ & TESTA) (Parallel Session) Session Chair: Dr. Pimpa Limthongkul & Dr. Uthane Supatti Room MR 109 B</p> |
| 18:00 - 21:00 | <p>Welcome Dinner Hosted by Informa Markets</p> | <p>Banquet Hosted by EVAT Vantage Point, 2nd floor, QSNCC, Bangkok, Thailand.</p> | |

30 August 2023

Conference Program

Afternoon Session (12:30 – 17:00)

Room MR 110, QSNCC, Bangkok, Thailand

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 “Shaping the Future of Electric Vehicle Ecosystem: Business and Investment Opportunities in Thailand”

Mr. Narit Therdsteeerasukdi, Secretary General, Thailand Board of Investment (BOI)

14:15 – 14:25 Congratulatory speeches on the occasion of EVAT with Chengdu Vocational & Technical College of Industry (CVTCI) and EVAT with Yeonggwang-Gun MOU signing ceremonies

Mr. Jiao Yan, Director of International Cooperation Department, Chengdu Vocational & Technical College of Industry (CVTCI)

Mr. Kang Jong-Man, Mayor of Yeonggwang-gun

14:25 – 14:35 Opening Ceremony and Photo session

14:35– 16:15 Shaping the Future of Electric Vehicle Ecosystem

Electric Vehicle Insurance

Mr. Jittiwut Sasibutra, President

Thai Insurance Brokers Association

Finance

Mr. Komkrid Borpitpitak, Senior Vice President, Corporate Banking

UOB (Thai) Plc.

Charging Station

Mr. Michael Chadney, Transport Planning and Future Mobility Lead

Arup

Battery Safety

Dr. Franky Hsieh, President

Taiwan STOBA Electrodes Corp.

Autonomous

Mr. Liu Xuan, Technical Partner

DeepRoute

Moderator

Dr. Wit Sitthivakin, Financial Journalist the Standard

16:15 – 16:35 Special keynote “Global EV Outlook 2023” (Recorded presentation)

by Ms. Mathilde Huismans, Energy Technology and Transport Analyst, International Energy Agency (IEA)

16:35-17:00 Special keynote “EV trend in Southeast Asia”

by Mr. Vivek Vaidya, Associate Partner, Mobility Practice, Frost & Sullivan

17:00 Closing Session

by Assoc.Prof.Dr. Pongpan Kaewtatip Advisor of Electric Vehicle Association

Conference Program

31 August 2023

Morning Session (09:00 – 12:00)

Room MR 109 B, QSNCC, Bangkok, Thailand.

Agenda

(Session Chair: Dr. Nuwong Chollacoop)

09:00 – 09:30 Registration

09:30 – 09:35 Welcoming speech

Assoc.Prof.Dr. Pongpan Kaewtatip Advisor of Electric Vehicle Association of Thailand (EVAT)

09:35 – 09:45 Group photo

09:45 – 10:15 **Keynote: UNEP Global Electric Mobility Programme**

Ms. Jihee Kim, Associate Programme Management Officer, Sustainable Mobility Unit, UNEP

10:15 – 10:45 **Keynote: EVs and the Road to Achieving SDG7**

Ms. Kimberly Roseberry, Economic Affairs Officer, Energy Division, UNESCAP

10:45 – 11:00 Coffee Break

11:00 – 11:25 **Yeonggwang-gun, Korea's Leading E-Mobility City**

Mr. Jongman Kang, Mayor of Yeonggwang-gun City

11:25 – 11:50 **Thailand Update on Electric 2-Wheelers and EV Conversion**

Dr. Peerawat Saisirirat, Researcher of Renewable Energy and Energy Efficiency Research Team, National Energy Technology Center (ENTEC)

11:50 – 12:00 Q&A

Conference Program

31 August 2023

Afternoon Session (13:00 – 16:30)

Room MR 109 A, QSNCC, Bangkok, Thailand.

Agenda

(Session Chair: Tamonwan Cholpratin, MC: Dr. Atthawit Techawiboonwong)

- 13:00 – 13:30** **Registration**
- 13:30 – 13:35** **Welcoming Speech**
Assoc.Prof.Dr. Pongpan Kaewtatip Advisor of Electric Vehicle Association of Thailand (EVAT)
- 13:35 – 13:50** **Topic: Why Copper is the Lifeblood of EVs**
Speaker: Mr. Arthit Prathumpuang, Vice President (Business Development and Marketing), Oriental Copper Co., Ltd.
- 13:50 – 14:05** **Topic: Latest trends in welding EV parts with Green Laser and Multi Spot Scanner Optic**
Speaker: Mr. Markus Lindemann, Regional Director Laser Division, Sales & Technology, TRUMPF Pte Ltd.
- 14:05 – 14:20** **Topic: The Importance of Interoperability and Standardization in EV Charging Station**
Speaker: Mr. Pruethipong Tharaphimaan, Chief Sales Executive AMR Asia PCL.
- 14:20 – 14:35** **Topic: Technology EV Charger**
Speaker: Mr. Pongsakorn Narkvichian, Chief Executive Officer, Charge Twenty Four Co., Ltd.
- 14:35 – 14:55** **Coffee break**
- 14:55 – 15:10** **Topic: Comprehensive Simulation Technologies for EV Cars**
Speaker: Ms. Kanokrat Densirisopa, Sales Manager, Thailand & Pakistan, Affiliation: Design and Engineering Division, Hexagon Metrology (Thailand) Ltd.
- 15:10 – 15:25** **Topic: Engineering E-mobility Solutions for a Sustainable Future**
Speaker: Ms. Mayavee Youpunt, ASEAN E-Mobility Product Manager TE Connectivity
- 15:25 – 15:40** **Topic: The BMW Group – Rethinking Individual Mobility for the Future.**
Speaker: Mr. Anantadej Intravisit, Manager e-Mobility, BMW Thailand
- 15:40 – 16:15** **Q&A**

Conference Program

31 August 2023

Afternoon Session (13:30 – 16:15)

Room MR 109 B, QSNCC, Bangkok, Thailand.

Agenda

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

13:00 – 13:30 Registration

13:30 – 13:40 Welcoming speech

Mr. Krisda Utamote, President of Electric Vehicle Association of Thailand
Dr. Dominika Kalinowska, Director Transport Projects Thailand / ASEAN, GIZ

13:40 – 14:00 Battery technologies towards sustainability

Speaker: Dr. Pimpa Limthongkul, ENTEC

14:00 – 14:30 EU Update on: Battery for EV - Market, Manufacturing, safety and regulations - GIZ

- New battery directives (incl. Safety, EOL)
- Battery passport
- Battery roadmap
- (Circular economy)

Speaker (Online): Mr. Tilmann Vahle, Director, Sustainable Mobility and Batteries, SYSTEMIQ (May have another speaker joining specifically for the safety topics, tbc)

14:30 – 15:00 Battery Safety Standard, Regulations & Policy

Speaker: Mr. Kolin Low, Regional Director, UL Standards & Engagement (Confirmed)

15:00 – 15:15 Coffee Break

15:15 – 16:00 Panel Discussion on Shaping the Future of Safe and Sustainable Battery Management in Thailand

Panelist 1 Mr. Tilmann Vahle Director, Sustainable Mobility and Batteries, SYSTEMIQ

Panelist 2 Mr. Kolin Low, Regional Director, UL Standards & Engagement

Panelist 3 Mr. Vasu KlomKloang, Executive VP Strategy Development and Investment Planning, Energy Absolute PCL (EA)

Panelist 4 Assoc. Prof. Dr. Nonglak Meethong, Khon Kaen University, Founder of UVOLT & TESTA Committee

Panelist 5 Director General/representative, Department of Industrial Works (DIW) - TBC

Moderator Dr. Pimpa Limthongkul

16:00 – 16:15 Q&A



Shaping the Future of Electric Vehicle Ecosystem

(Opening Ceremony)

30 August 2023

Afternoon Session (12:30 – 17:00)

Room MR 110, QSNCC, Bangkok, Thailand

Welcoming speech by organizers
| 13:30 – 13:50

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

Mr. Krisda Utamote

President of Electric Vehicle Association of Thailand



Mr. Krisda Utamote
President of Electric Vehicle
Association of Thailand

Welcoming speech by organizers
| 13:30 – 13:50

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

Mr. Sanchai Noombunnam

Country General Manager
Thailand, Informa Markets - Thailand



Mr. Sanchai Noombunnam
Country General Manager
Thailand, Informa Markets - Thailand

Opening Remark and Special keynote
“Shaping the Future of Electric Vehicle Ecosystem: Business and Investment Opportunities in Thailand”
| 13:50 – 14:15

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

Mr. Narit Therdsteerasukdi

Secretary General, Thailand Board of Investment (BOI)

Abstracts

The emergence of Thailand, the world’s 10th biggest automotive manufacturer and the largest in ASEAN, as an EV hub has been fast-tracked through superior geographical advantages, complete industrial supply chain and sufficient pool of talented personnel and government policies that comprehensively incentivize both investors in the EV sector’s supply chain and car buyers.

For Thailand, to turn into regional frontrunner in EV, from luxury cars to two-wheelers, the government announced the “30@30” EV roadmap to produce 750,000 EVs or 30% of car production capacity by 2030. To achieve the target, the government has already launched various measures to promote more EV adaption and boost domestic demand for electric cars as well as lure investors and manufacturers to the EV industry in Thailand.

Thailand Board of Investment (BOI) as an investment promotion agency, we offer tax holidays for EV production of all types, and also grants investment incentives for EV parts and components, integrated software and apps for EV use, and EV-related infrastructure, especially charging stations, to accelerate the growth of the EV industry.

Biography

Mr. Narit Therdsteerasukdi graduated Bachelor degree in Economics (Honors) from Chulalongkorn University, in Law from Ramkhamhaeng University, and M.A. in Economics from Boston University, USA. Additionally, he received a certificate in Economic Management for Development from Curtin University, Australia and an advanced certificate in Public Administration and Public Law from King Prajadhipok’s Institute.

For work experiences, he has been working in the Office of the Board of Investment since 1995 until the present moment with a position of the Deputy Secretary General since 2017. Previously, he had been serving as Senior Executive Advisor of the BOI, Executive Director of Investment Strategy and Policy Bureau, and Executive Director of Management Information Systems Bureau.



Mr. Narit Therdsteerasukdi
Secretary General
Thailand Board of Investment (BOI)



Congratulatory speeches on the occasion of EVAT with Chengdu Vocational & Technical College of Industry (CVTCI) and EVAT with Yeonggwang-Gun MOU signing ceremonies

| 14:15 - 14:25

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

Congratulatory speeches on the occasion of EVAT with Chengdu Vocational & Technical College of Industry (CVTCI) and EVAT with Yeonggwang-Gun MOU signing ceremonies .

Mr. Krisda Utamote

President of Electric Vehicle Association of Thailand

Mr. Jiao Yan

Director of International Cooperation Department
Chengdu Vocational & Technical College of Industry (CVTCI)

Mr. Kang Jong-Man

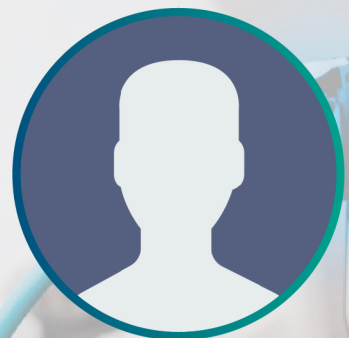
Mayor
Yeonggwang-gun



Mr. Krisda Utamote
President of Electric Vehicle Association of Thailand



Mr. Jiao Yan
Director of International Cooperation Department
Chengdu Vocational & Technical College of Industry (CVTCI)



Mr. Kang Jong-Man
Mayor
Yeonggwang-gun

Shaping the Future of Electric Vehicle Ecosystem | 14:35– 16:15

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

*** Speaker



Mr. Jittiwut Sasibutra
President
Thai Insurance Brokers
Association



Mr. Komkrid Borpitpitak
Senior Vice President,
Corporate Banking
UOB (Thai) Plc.



Mr. Michael Chadney
Transport Planning and
Future Mobility Lead
Arup Singapore



Dr. Franky Hsieh
President of Taiwan
STOBA Electrodes Corp



Mr. Liu Xuan
Technical Partner
DeepRoute



Moderator
Dr. Wit Sitthivakin
Financial Journalist
the Standard

Shaping the Future of Electric Vehicle Ecosystem | 14:35– 16:15

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

Mr. Jittiwut Sasibutra

President of Thai Insurance Brokers Association

Professional Background

- **1996-1997:** Tokio Marine Insurance (Thailand) Plc. Underwriter support in all classes of insurance
- **1997-2001:** Tokio Marine Insurance (Thailand) In the title of Marketing response for Agent and Broker Business
- **2001-2004:** Aon Risk Services (Thailand) Ltd. Marketing Executive handling existing accounts and find out new market opportunities, marketing plan, customer relation, and reinsurance service.
- **2004-2007:** Aon Risk Services (Thailand) Ltd. Marketing Manager response for new business under Domestic Team, structured of Sales Force, CRM, and Public Relation.
- **2007-2009:** Aon Risk Services (Thailand) Ltd. Vice President for Domestic Department.
- **2009-2018:** Maxi Insurance Broker Co.,Ltd.–Thailand Managing Director and Company Director. President of Thai Insurance Brokers Association (TIBA) Adviser of Thai General Insurance Association (TGIA) Secretary of The Federation of Thai Insurance Organizations
- **2018-Present:** Howden Maxi Insurance Broker Co., Ltd. – Thailand Chief Executive Officer
- **2019 – 2020:** Vice- President of Thai Insurance Brokers Association (TIBA)
- **2021 – Present:** President of Thai Insurance Brokers Association (TIBA)

Professional Qualifications

- BBA in Risk Management, major Property & Casualty with minor in Marketing (Assumption University (ABAC), Thailand)
- Master of Business Administration (Assumption University (ABAC), Thailand)
- Certified Property Insurance Course by Munich Re (Singapore)
- Membership of Chartered Insurance Institute (U.K.)
- Certified Strategic Selling by Aon University (Penang)
- Selected as President of Thai Insurance Brokers Association Year
- Certified Advance Insurance by OIC Advance Insurance Institute Class 4 Year 2014
- Certified Super Advance Insurance by OIC Advance Insurance Institute Class 2 Year 2022



Mr. Jittiwut Sasibutra

President

Thai Insurance Brokers Association

Biography

Jittiwut has 26 years' experience in the Insurance Industry. Howden Maxi is part of Howden, the world's largest insurance broker outside of the US and merged with Maxi Insurance Broker in 2018. Jittiwut is Chief Executive Director and Company Director, a leading of Howden Maxi insurance broker offering a broad range of insurance products to clients, with particular expertise in Property, Construction, Energy, Marine, Motor Affinity, Financial Lines, Jewellers Block, Employee benefits and Reinsurance.

Special keynote “Global EV Outlook 2023” (Recorded presentation)
| 16:15-16:35

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

by Ms. Mathilde Huismans

Energy Technology and Transport Analyst, International Energy Agency (IEA)



Ms. Mathilde Huismans
Energy Technology and
Transport Analyst, International
Energy Agency (IEA)

Special keynote
“EV trend in Southeast Asia”
| 16:35-17:00

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

by Mr. Vivek Vaidya

Associate Partner, Mobility Practice
Frost & Sullivan



Mr. Vivek Vaidya
Associate Partner, Mobility Practice,
Frost & Sullivan



Closing Session | 14:15 - 14:25

Shaping the Future of Electric Vehicle Ecosystem

Opening Ceremony

| 30 August 2023 | Afternoon Session (12:30 – 17:00)

by Assoc.Prof. Dr. Pongpan Kaewtatip

Advisor of Electric Vehicle Association of Thailand (EVAT)



Assoc.Prof.Dr. Pongpan Kaewtatip

Advisor of Electric Vehicle
Association of Thailand



Global Update Session (in collaboration with UNEP & UNESCAP)

31 August 2023

Morning Session (09:00 – 12:00)

Room MR 109 B, QSNCC, Bangkok, Thailand

Welcoming speech

| 09:30 – 09:35

Global Update Session

(in collaboration with UNEP & UNESCAP)

| 31 August 2023 | Morning Session (09:00 – 12:00)

by **Assoc.Prof. Dr. Pongpan Kaewtatip**

Advisor of Electric Vehicle Association of Thailand (EVAT)



Assoc.Prof. Dr. Pongpan Kaewtatip

Advisor of Electric Vehicle Association of Thailand

Keynote: UNEP Global Electric Mobility Programme

| 09:45 – 10:15

Global Update Session

(in collaboration with UNEP & UNESCAP)

| 31 August 2023 | Morning Session (09:00 – 12:00)

by **Ms. Jihee Kim**

Associate Programme Management Officer, Sustainable Mobility Unit, UNEP



Ms. Jihee Kim

Associate Programme Management Officer, Sustainable Mobility Unit, UNEP

Keynote: EVs and the Road to Achieving SDG7

| 10:15 – 10:45

Global Update Session

(in collaboration with UNEP & UNESCAP)

| 31 August 2023 | Morning Session (09:00 – 12:00)

by **Ms. Kimberly Roseberry**

Economic Affairs Officer, Energy Division, UNESCAP



Ms. Kimberly Roseberry

Economic Affairs Officer, Energy Division, UNESCAP

Yeonggwang-gun, Korea's Leading E-Mobility City | 11:00 – 11:25

Global Update Session

(in collaboration with UNEP & UNESCAP)

| 31 August 2023 | Morning Session (09:00 – 12:00)

by Mr. Jongman Kang

Mayor of Yeonggwang-gun City



Mr. Jongman Kang

Mayor of Yeonggwang-gun City

Thailand Update on Electric 2-Wheelers and EV Conversion | 11:25 – 11:50

Global Update Session

(in collaboration with UNEP & UNESCAP)

| 31 August 2023 | Morning Session (09:00 – 12:00)

by Dr. Peerawat Saisirirat

Researcher of Renewable Energy and Energy Efficiency Research Team, National Energy Technology Center (ENTEC)



Dr. Peerawat Saisirirat

Researcher of Renewable Energy and Energy Efficiency Research Team, National Energy Technology Center (ENTEC)



EV Knowledge Sharing

(Parallel Session)

31 August 2023

Afternoon Session (13:00 – 16:30)

Room MR 109 A, QSNCC, Bangkok, Thailand.

Welcoming Speech | 13:30 – 13:35

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Assoc.Prof.Dr. Pongpan Kaewtatip

Advisor of Electric Vehicle Association of Thailand (EVAT)



Assoc.Prof.Dr. Pongpan Kaewtatip
Advisor of Electric Vehicle Association
of Thailand (EVAT))

Topic: Why Copper is the Lifeblood of EVs | 13:35 – 13:50

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Mr. Arthit Prathumpuang

Vice President (Business Development and Marketing), Oriental Copper Co., Ltd.



Mr. Arthit Prathumpuang
Vice President
Oriental Copper Co., Ltd.

Abstracts

Electric vehicles (EVs) are causing a shift in the auto industry worldwide due to innovations, lower prices, and government subsidies. Copper consumption is expected to rise in parallel with the increasing use of electric vehicles, which will become a significant factor in the market in the near future, and Copper suppliers may have a challenging time meeting increased demand.

Copper is a suitable metal for building an EV's heart and veins, meaning every EV needs copper to function properly. For instance, a pure electric vehicle's stator windings may have more than a mile of copper wiring. In addition, batteries, inverters, charging stations, and electric motors use copper because of its long lifespan, malleability, stability, and high electrical conductivity.

This presentation will assist in understanding the trend for EV demand and the importance of copper raw materials, focusing on major copper-related parts in EVs following potential market changes.

Biography

Mr. Arthit Prathumpuang is a Ph.D. candidate at Chulalongkorn University's Technopreneurship and Innovation Management Program. His research interests include strategic management, Blockchain technology in circular economy, and innovations pertaining to copper. Currently, he is Vice President of Oriental Copper Co., Ltd., where he oversees the business development and marketing divisions. He has been involved in commercial areas of business development, sales, marketing, and CRM in the copper sector during his whole career since 2006.



Latest trends in welding EV parts with Green Laser and Multi Spot Scanner Optic | 13:50 – 14:05

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Mr. Markus Lindemann

Regional Director Laser Division, Sales & Technology,
TRUMPF Pte Ltd.

Abstracts

TRUMPF is a global leader for Laser Technology in manufacturing for many decades. Batteries, motors and other electrical parts of EV require durable joints of different materials like Copper and Aluminum. TRUMPF has developed several laser processes to improve the welding quality of these joints. Applying these optimized welding strategies, beam optics and vision systems with TRUMPF lasers enables highest quality welds with stable and durable welding results.

The presentation will include a variety of different solution for the joining tasks in battery and EV component manufacturing and will explain the advantage of the laser welding process. For research and flexible production, TRUMPF is offering standard laser welding machines with TRUMPF Lasers. For customized production lines, TRUMPF is cooperating with local automation partners to find always the most efficient laser manufacturing solution for the customer.

Biography

2000-2006: Member of the development team for additive manufacturing in TRUMPF Germany.

2006-2010: Project engineer in the central sales department of TRUMPF's laser division in Germany.

2011-2015: Sales Director of TRUMPF China's laser division. Based in Shanghai but supporting TRUMPF customers all over China. **2016-2018:** Director of International Sales Asia and Africa in TRUMPF HQ, based in Germany. Developing strategies with TRUMPF Laser subsidiaries in Asia and supporting Key Customers.

Since 2018: Markus took over the current position and moved with his family to Singapore. He is developing the TRUMPF laser market with the local TRUMPF subsidiaries in Thailand, Vietnam, Malaysia, Indonesia, Philippines, Singapore as well as Australia and New Zealand. In 2022, he was appointed – additional to the previous tasks - as General Manager for the TRUMPF Pte Ltd in Singapore.



Mr. Markus Lindemann
Regional Director Laser Division,
Sales & Technology,
TRUMPF Pte Ltd.

Topic: The Importance of Interoperability and Standardization in EV Charging Station
| 14:05 – 14:20

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Mr. Pruetthipong Tharaphimaan

Chief Sales Executive of AMR Asia PCL.

Chief Sales Executive of AMR Asia PCL., which has gone on to grow successful business in ICT sector. AMR is a company providing total system solution including system integration and engineering services, as well as maintenance services with more than 20 years of experience. It also distributes IT solution both hardware and software.

Mr. Pruetthipong Tharaphimaan earned a Bachelor Degree and Master degree in Information Technology Engineering from King Mongkut's Institute of Technology Ladkrabang and MBA in marketing major from Ramkhamhaeng University.



Mr. Pruetthipong Tharaphimaan

Chief Sales Executive
AMR Asia PCL.

Topic: Technology EV Charger
| 14:20 – 14:35

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Mr. Pongsakorn Narkvichian

Chief Executive Officer, Charge Twenty Four Co., Ltd.

Abstracts

The abstract must be typed in Times New Roman, font sized of 12 points and single-spaced. It should contain not more than 200 words and should be fitted within 1 page of A4 (standard size of 210 mm × 29 mm). This might be helpful for the conference organizer to use your abstract in the final proceeding. The deadline is July 4, 2023.

Biography

Please provide a 100-word biography together with your recent photo and your contact information are appreciated



Mr. Pongsakorn Narkvichian

Chief Executive Officer,
Charge Twenty Four Co., Ltd.

Topic: Comprehensive Simulation Technologies for EV Cars
| 14:55 – 15:10

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Ms. Kanokrat Densirisopa

Sales Manager, Thailand & Pakistan, Affiliation: Design and Engineering Division, Hexagon Metrology(Thailand) Ltd.

Abstracts

TRUMPF is a global leader for Laser Technology in manufacturing for many decades. Batteries, motors and other electrical parts of EV require durable joints of different materials like Copper and Aluminum. TRUMPF has developed several laser processes to improve the welding quality of these joints. Applying these optimized welding strategies, beam optics and vision systems with TRUMPF lasers enables highest quality welds with stable and durable welding results.

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Ms. Kanokrat Densirisopa

RSales Manager, Thailand & Pakistan,
Affiliation: Design and Engineering Division,
Hexagon Metrology (Thailand) Ltd.

Topic: Engineering E-mobility Solutions for a Sustainable Future
| 15:10 – 15:25

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Ms. Mayavee Youpunt

ASEAN E-Mobility Product Manager, TE Connectivity



Ms. Mayavee Youpunt

ASEAN E-Mobility Product Manager
TE Connectivity

Topic: The BMW Group – Rethinking Individual Mobility for the Future.
| 15:25 – 15:40

EV Knowledge Sharing

(Parallel Session)

| 31 August 2023 | Afternoon Session (13:00 – 16:30)

by Mr. Anantadej Intravisit

Manager e-Mobility, BMW Group Thailand



Mr. Anantadej Intravisit

Manager e-Mobility,
BMW Group Thailand

Abstracts

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Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with
GIZ & TESTA)

31 August 2023

Afternoon Session (13:30 – 16:15)

Room MR 109 B, QSNCC, Bangkok, Thailand.

Welcoming speech

| 13:30 – 13:40

Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with GIZ & TESTA)

| 31 August 2023 | Afternoon Session (13:30 – 16:15)

Mr. Krisda Utamote

President of Electric Vehicle Association of Thailand



Mr. Krisda Utamote
President of Electric Vehicle
Association of Thailand

Welcoming speech

| 13:30 – 13:40

Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with GIZ & TESTA)

| 31 August 2023 | Afternoon Session (13:30 – 16:15)

Dr. Dominika Kalinowska

Director Transport Projects Thailand / ASEAN, GIZ



Dr. Dominika Kalinowska
Director Transport Projects Thailand /
ASEAN, GIZ

Battery technologies towards sustainability

| 13:40 – 14:00

Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with GIZ & TESTA)

| 31 August 2023 | Afternoon Session (13:30 – 16:15)

Dr. Pimpa Limthongkul

Director Transport Projects Thailand / ASEAN, GIZ



Dr. Pimpa Limthongkul
Director of Energy Innovation
Research Group, National Energy
Technology Center (ENTEC)

EU Update on: Battery for EV - Market, Manufacturing, safety and regulations - GIZ
| 13:30 – 13:40

Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with GIZ & TESTA)

| 31 August 2023 | Afternoon Session (13:30 – 16:15)

Speaker (Online):

Mr. Tilmann Vahle

Mr. Tilmann Vahle, Director, Sustainable Mobility and Batteries, SYSTEMIQ (May have another speaker joining specifically for the safety topics, tbc)



Mr. Tilmann Vahle

Director, Sustainable Mobility and Batteries, SYSTEMIQ (May have another speaker joining specifically for the safety topics, tbc)

Battery Safety Standard, Regulations & Policy | 14:30 – 15:00

Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with GIZ & TESTA)

| 31 August 2023 | Afternoon Session (13:30 – 16:15)

Mr. Kolin Low

MRegional Director, UL Standards & Engagement (Confirmed)



Mr. Kolin Low

Regional Director, UL Standards & Engagement (Confirmed)

Panel Discussion on Shaping the Future of Safe and Sustainable Battery Management in Thailand
| 15:15 – 16:00

Shaping the Future of Safe and Sustainable Battery Management in Thailand

(In collaboration with GIZ & TESTA)

| 31 August 2023 | Afternoon Session (13:30 – 16:15)

Panelist 1 Mr. Tilmann Vahle
Director, Sustainable Mobility and Batteries, SYSTEMIQ

Panelist 2 Mr. Kolin Low
Regional Director, UL Standards & Engagement

Panelist 3 Mr. Vasu Klomkloang,
Executive VP Strategy Development and Investment Planning, Energy Absolute PCL (EA)

Panelist 4 Assoc. Prof. Dr. Nonglak Meethong,
Khon Kaen University, Founder of UVOLT & TESTA Committee

Panelist 5 Director General/representative, Department of Industrial Works (DIW) - TBC

Moderator Dr. Pimpa Limthongkul (TESTA)



Moderator

Dr. Pimpa Limthongkul

Director of Energy Innovation
Research Group, National Energy
Technology Center (ENTEC)



Mr. Tilmann Vahle

Director, Sustainable Mobility and Batteries,
SYSTEMIQ (May have another speaker joining
specifically for the safety topics, tbc)



Mr. Kolin Low

Regional Director, UL Standards &
Engagement (Confirmed)



Mr. Vasu Klomkloang,

Executive VP Strategy Development
and Investment Planning,
Energy Absolute PCL (EA)



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iEVTech 2023

“Shaping the Future of Electric Vehicle Ecosystem”

30 August – 1 September 2023, QSNCC, Bangkok, Thailand

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Informa Markets - Thailand