

3RD INTERNATIONAL EV CONCLAVE

9th August 2019

50+
Industry
Experts

300+
Delegates

20+
Partners &
Exhibitors



Key Highlights

- Session on Power Train Algorithms & EV Components, IoT & Simulation Software
- Session on EV Battery Validation, Approval, Testing & Certification
- Special focus on Charging Infra & Battery Swapping
- Release of Special Knowledge on BMS
- State EV Pilots & Policy
- New Product Launch
- iCAT Lab Visit
- NMTM & BS
- FAME-II

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Venue: International Centre for Automotive Technology (ICAT), Plot No-26, Sector-3, IMT Manesar, Gurgaon-122050

Theme

INDIA ENERGY STORAGE ALLIANCE (IESA) along with INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY (ICAT) is organizing its 3rd annual EV Conclave on 9th August 2019. This will be a unique platform to interact, discuss & network with Auto OEMS, battery manufacturers, charging infrastructure providers, power train, BMS, EV software providers & government officials. All the participants will witness ICAT's battery validation and EV lab during the event.

India has a significant market potential for electric vehicles (EVs). Although we are still in the infancy of adoption of EVs, with the changes in the technology landscape as well as clear vision set by the Indian government, IESA estimates that over 7 crores EVs could be sold in India till 2030. This transition of the transportation sector from petroleum based internal combustion engines (ICEs) to EVs, would create a huge market of Indian and global players over the next decade. The Government of India has laid down its plans and DHI is catalysing the Indian EV market with the active support from various other government bodies such as MoP, MoRTH, MS&T, MoCIP and NITI Aayog for making this dream a reality. State Governments like Karnataka, Telangana, Uttar Pradesh, Uttarakhand, Kerala, Andhra Pradesh, Delhi, and Maharashtra have made promising move by announcing their own policies to promote the development of electric mobility infrastructure and providing incentives for manufacturing of EVs and energy storage.

Although currently consumers have very limited choices on EVs in India, Indian automobile sector leaders have already showcased their upcoming EVs which can hit the roads very soon. Indian companies have successfully built electric cars in the recent past and are lining up electric buses for state transportation purpose. Many start-ups have already entered and developed market ready products in 2W and 3W segments. Batteries are a critical component for EVs and there is a big gap as currently there is no Li-ion cell manufacturing taking place in India. With the objective of triggering the early adoption of EVs in India the goods and services tax (GST) Council has decided a tax rate of 5% for electric vehicles, compared with 28% plus cess for petrol and diesel cars and hybrid vehicles.

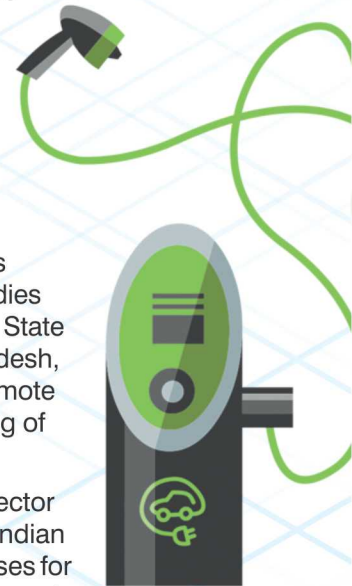
NITI Aayog has already recommended certain fiscal incentives to EV manufacturers, however, the major challenge lies in creating a robust infrastructure for charging facilities along with reducing the cost to make the solutions economically viable for the end users. With the talk of EVs gaining momentum in the last few years, both Indian as well as international investors, have shown their interest in capacity building for the segment thus presenting an opportunity for Indian manufacturers to enter the segment and undertake research & development in the category.

Government initiatives like recently launched the National Mission for Transformative Mobility with Phased Manufacturing Program (PMP), Ministry of Heavy Industries have launched FAME -2 (Faster Adoption and Manufacturing of Electric Vehicles) incentives with a budget of Rs 10,000 Cr will encourage adoption of EV in India. Fame 2 scheme is proposed to be implemented over a period of 3 years, w.e.f 1st April 2019. The scheme is proposed to be implemented through following verticals: a) Demand Incentives, b) Establishment of a network of charging stations, c) Administration of scheme including publicity, IEC (Information, Education & Communication) activities. The fame-2 scheme will be applicable mainly to vehicles used for public transport or those registered for commercial purposes in 3W, 4W and Bus segments. However, privately owned registered 2Ws will also be covered under the scheme.

IESA launched a new initiative called MOVE (Moving Onwards Vehicle Electrification) in 2017 to help India move towards vehicle electrification and build a robust ecosystem for EV manufacturing & adoption. IESA is working with various stakeholders in the mobility sector to address barriers and focus on the aspects related to batteries for EVs and charging infrastructure. Global companies are entering in the Indian market and Indian conglomerates are diversifying in the EV space.

IESA has set a vision to make India a global hub for R&D and manufacturing of advanced energy storage and EV systems by 2022. In the past, IESA organised two editions of EV Conclave in 2017 & 2018 along with two regional EV roundtable in Karnataka and Maharashtra with the support of state governments to encourage EV pilots in India.

We encourage all EV ecosystem players to join this programme.



Tentative Agenda

10:00 AM - 10:30 AM – Inauguration & Welcome Address

10:30 AM - 11:30 AM – EV Market, Policy & Tender Overview

- Central Government & State Government Policy (FAME II, NMTM&BS, State Level EV Policy)
- Overview of EV Tenders in India

11:30 AM – 12:00 Noon: Tea Break

12:00 Noon - 01:00 PM – Industry Challenges & Opportunities

- Auto OEM's preposition on EV adoption in India (Electric 2W, 3W, 4W, e-bus)
- New EV product Lunch
- Start-Up Ecosystem
- India market entry by International Company

01:00 PM – 02:00 PM: Networking Lunch

02:00 PM – 03:00 PM: Charging Infrastructure & Battery Swapping

- Charging Station standards, availability, market scenarios, Operation
- DISCOM Overview & Tariff
- Current installations & challenges
- Business Model & future opportunities
- Battery swapping options & opportunity
- Charging Infra tenders in India

03:00 PM – 03:45 PM: EV Ecosystem

- Power Train Algorithms
- EV Components,
- IoT & Simulation Software
- BMS

03:45 PM – 04:30 PM: EV Battery Validation, Approval, Testing & Certification

- Battery testing requirement
- Validation & Certification process
- BIS Certification
- Approval requirement for EV

04:30 AM – 04:45 PM: Tea Break

04:45 PM – 5:45 PM– ICAT Lab Visit

05:45 AM – 06:00 PM: Closing Remarks



About India Energy Storage Alliance (IESA)

IESA was incorporated in 2012 by Customized Energy Solutions to accelerate adoption of Energy Storage, Microgrid & EV Technologies in India, through an active dialogue amongst the various stakeholders. IESA aims to make India a global hub for research and manufacturing of advanced energy storage & EV technologies by 2022. In the past 6 years IESA membership has grown from 5 to 90+ and covers diverse verticals from energy storage & Power electronics manufacturers, renewable energy companies, EV manufacturers, charging infra & EV ecosystem players and research institutes & universities.



About International Centre for Automotive Technology (ICAT)

ICAT is an Automotive Testing and R&D centre which aims at integrating advanced automotive technology to support the Industry in component development for new class of vehicles, develop technical expertise backed by astute professionalism and commitment, offer impeccable range of automotive services, strive for consumer satisfaction and set international standards in the arena of automotive design, testing and validation. ICAT is a part of the NATRIP Implementation Society (NATIS).

Registration Fee:

- o Regular Fee: ₹12,000 + GST
- o 50% discount to IESA members

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