

PSMA

Transportation Electrification Committee

May 16, 2023

Meeting

### Meeting Minutes

#### Attendance for 5/16/23 PSMA Committee Meeting

1. Fred Weber
2. Fernando Salcedo
3. Joe Horzepa
4. John Horzepa
5. Renee Yawger
6. Dinesh Kithany

1. APEC 2024 Industry Session
  - a. Theme/Title and an idea of what type of presentations will be given:
    - i. Contact BOSCH reps for participation – Fred sending intro email
      1. [Cyrille.brand@bosch.com](mailto:Cyrille.brand@bosch.com)
      2. [Vishnu.Medisetty@bosch.com](mailto:Vishnu.Medisetty@bosch.com)
    - ii. “Major Challenges on the Roadmap to Transportation Electrification”
      1. Extreme Fast Charging topologies
      2. Codes & Standards, and Regulations (MCS), impact
        - a. Reach out to Lee for POC with SAE or other (ANSI)
      3. Vehicle-to-Grid, Bi-directional Power
      4. Wireless Charging
      5. Grid Infrastructure to Enable
      6. GaN and SiC power modules for Vehicles?
  - b. Agenda and Area of Interest:
    - i. At least have 2-3 govt presentations
    - ii. Then 3-4 PE technical presentations
2. Greater Visibility and Participation of Transportation Electrification Committee:
  - a. With LinkedIN, possibly add a questionnaire and agenda with potential topics for next meeting.
  - b. Reach out to other committee’s and committee members (i.e. magnetics, semiconductors, etc.) for interest in meeting participation.

- c. Broader email to PSMA subscribers to advertise the committee
- d. Reach out to Industry folks
  - i. Suggestions:
    - 1. Lukas Mueller (Magnetics Committee)
    - 2. Matthias Preindl

Next Meeting: June 27, 2023 @ 10 am CT

Action Items:

- 1. Come up with 2024 APEC Industry Session Theme/Title
    - a. Presentation Topics
    - b. Potential Presenters
  - 2. Develop plan to increase committee visibility and participation.
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PSMA

Transportation Electrification Committee

June 27, 2023

Meeting

Meeting Minutes

Attendance for 6/27/23 PSMA Committee Meeting

- 1. Fred Weber
- 2. Fernando Salcedo
- 3. Joe Horzepa
- 4. John Horzepa
- 5. Diarmuid Conchubhair
- 6. John Li
- 7. Francis Mullany
- 8. Chris Whaling
- 9. Dinesh Kithany

1. Follow-up for APEC 2024 Industry Session:
  - a. Theme/Title:
    - i. "Major Challenges on the Roadmap to Transportation Electrification"
    - ii. Should have 9 subjects, in case we want to have 7 final subjects.
    - iii. Due August 11<sup>th</sup>
      1. Topics
      2. # of Slots planned
      3. Speaker commitments do not have to be confirmed
    - iv. <https://apec-conf.org/industry-session-resources-2024/>
  - b. Topics Suggestions:
    - i. AI & Data Centers preparedness for autonomous vehicles
      1. Look into autonomous vehicle supplier POCs to present.
      2. Ask presenters if they can also touch on their subject's impact on autonomous vehicles & AI.
    - ii. How the transition to NACS standard impact EV experience
      1. Fernando will reach out to EVs@Scale "Codes and Standards Pillar" POC
    - iii. Methods to lower total cost of ownership for high power charging stations using innovative power electronics.
    - iv. How use cases drive transportation electrification solutions
      1. Chris Whaling
    - v. How electrification impacts off-road vehicle industry
    - vi. Supply chain constraints for critical materials and bottlenecks for transportation electrification
2. Action Items:
  - a. Dinesh will follow up after speaking with ASPIRE and SIEMENS POCs for participation in PSMA.
  - b. Dinesh will follow up on PTR
  - c. Dinesh and Fernando will need to brainstorm how to ensure best time slot and visibility: July 10th
    - i. One keynote speaker
    - ii. Ensure best slot possible for our industry session
      1. Reach out to APEC industry session organization committee
    - iii. Always have more than 1 speaker from committed speaker's company in case presenter backs out last minute.
  - d. Continue providing PSMA committee updates on LinkedIn
    - i. Include next meeting date
    - ii. How to get included on invite list
    - iii. Include recent achievements and publications

3. Next Meeting Date: July 25<sup>th</sup> at 11 am EDT

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