The Multinational Power Electronics Association

PSMA

Packaging/Manufacturing Committee

APEC 2026 Presentation Review Meeting May 5, 2026

John Bultitude, Jason Rouse, Vikas Gupta

Co-chairman

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Meeting Agenda

- APEC 2026 Feedback
- APEC 2027 Planning
- EnerHarv 2026
- 3D-PEIM 2026

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APEC 2026 IS04 Session

Presentation Start Time	Presentation End Time	Presentation Title	Presenter First Name	Presenter Last Name	Email Address	Organization
IS Committee		**IS04: "3D-Power Packaging for AI and its Application in Power Systems Optimization"**				
REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED	REQUIRED
8:30 AM	8:55 AM	Silicon Capacitors for Improved Power Efficiency and Power Density: From the Grid to the Chip	Jean-Marc	Yannou	jean-marc.yannou@murata.com	Murata
8:55 AM	9:20 AM	*Embedded Passives Design for AI Power Delivery*	*Sudha*	*Durvasula*	Sudha.Durvasula@sarasmicro.com	*Saras Micro Devices*
9:20 AM	9:45 AM	*Architecting the Future of AI Hardware: High-Density Voltage Regulators and the Thermal Challenges*	*Cheelim*	*Nge*	cheelimnge@google.com	*Google Cloud*
9:45 AM	10:10 AM	*Power for AI-Data centers*	*Bernhard*	*Knott*	bernhard.knott@infineon.com	*Infineon*
10:40 AM	11:05 AM	Exploring AI/ML in Power Electronics - Component Selection and Converter Topology Optimizations	Douglas	Hopkins	DCHopkins@ncsu.edu	NC State University
11:05 AM	11:30 AM	The Silent Enabler: WBG Power Technology & packages for the AI-HPC Revolution	Jim	Honea	jim.honea@nexperia.com	Nexperia
11:30 AM	11:55 AM	Vertical power delivery integration: benefits and trade-offs of moving beyond PCB backside to in-package solutions	Trey	Roessig	trey.roessig@empowersemi.com	Empower Semiconductor

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APEC 2026 Feedback

Presentation Submissions

- These were very late so in many cases it was not possible to review in committee
- The Cadmium system author notification was disabled, there was confusion about what stage the submission should be made in the system (No reviewer visibility of Stage 5 submissions) and communication to presenters was poor – this relied on emails from the co-chairs
- **Takeaway - need an improved system & presenters committed to earlier submissions**

IS04 Session

- This was well attended before the coffee break at 10:10am
- After the coffee break attendance was very poor that was attributed to a more popular AI presentation session chaired by Minje Chen
- **Takeaway - need highest possible quality presentations & a session scheduled away from similar topics**

Packaging & Manufacturing Committee Meeting

- Very poor attendance
- Committee meetings overlap with these sessions. Big issues for JHR.
- **Takeaway - need to schedule a time outside sessions, better advertise free food/drink & increase visibility of PSMA**

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APEC 2027 Planning

APEC 2027 is earlier – 7-11th New Orleans (JHR and Vikas could have issues with this travel) How does Packaging deal with this issue??

PSMA 2027 APEC ideas:

- **Sustainability with another committee**
- **Pilot for Semi and Photonics with Power Efficiency**
- **Power for Robotics (free range) and Humanoids – multiple areas to cover**
- **Packaging for AI in Space**
- **Packaging for Harsh Environments**
- **Advances in Embedded Power/Packaging**
- **Advances in Thermal Packaging/Materials**
- **Physics and Form - AI designed systems and packaging – how to get 7 speakers?**
- **Digital Twins and ML for Manufacturing (or stay focus on end-products)**

Actions:

- **Recruit more co-chairs**
- **Identify the key theme(s) of the session as soon as possible bearing in mind we need 7 leading-edge power packaging presenters**
- **Use APEC to promote the workshops - social media engagement**

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EnerHarv 2026

EnerHarv 2026

PSMA International Energy Harvesting Workshop ~ 27-29 May, 2026, Madrid, Spain

Home | Energy Harvesting | Energy Storage | Micro-Power | Applications | Live Demos & Posters | Contact

- Registration
- Workshop Schedule
- Who should go?
- Vision & Motivation
- Challenges and opportunities
- Organizing Committee
- Location – Madrid, Spain
- Hotel Recommendations
- Travel Recommendations
- PSMA

The Fourth International Energy Harvesting Workshop, EnerHarv 2026 will be held in Madrid, Spain, 27-29 May, 2026.

https://www.enerharv.com/

Registration Opened April 10 2026

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3D-PEIM

3D Power Electronics Integration and Man

John Bultitude (johnbultitude101@outlook.com) is signed in

Home | Program | Committee | Call for Papers | Registration | Housing & Travel | Venue | 2026 3D-PEIM: Lab Tours | Sponsors, Exhibitors & Partners | Contact | Previous years

The Sixth International Symposium on 3D Power Electronics Integration & Manufacturing (3D-PEIM)

Tempe, AZ, USA
November 16-19, 2026

Join us for the 2026 3D-PEIM Symposium
Hosted by the Arizona State University (ASU)

Register for 3D-PEIM beginning June 8, 2026.

https://www.3d-peim.org/

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Local Organization

Chris Bailey
General Chair

Chanyeop Park
Technical Program Chair

Hongbin Yu
Partner & Exhibitor Chair

Leslie Hwang
Publicity Chair

Robina Syed
Site coordinator – Planning, Logistics,
Site, registration

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Organizing Committee

Chris Bailey - General Chair - ASU
Chanyeop Park -Technical Program Co-Chair – ASU
Matt Wilkowski – Technical Program Co-Chair - PSMA
Brian Narveson - Finance Chair - PSMA
Hongbin Yu - Partner/Exhibitor Chair – ASU
Doug Hopkins - Publications Chair
Leslie Hwang - Publicity Chair – ASU
Web Master & Registration Site – Lisa Horzepa - Consultant
Ruby - Site coordinator, Planning, Logistics, Site, Registration- ASU
Vikas Gupta – Packaging Committee Co-Chairman - PSMA

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Program

Program at a Glance

Session	Chairs
Advanced Packaging & 3D Integrated Modules	Raja Ayyanar, Arizona State University; Hongbin Yu, Arizona State University
Materials for Advanced Packaging	Chanyeop Park, Arizona State University; Adam Morgan, NoMIS Power
Thermal Management	Jong Ryu, North Carolina State University
Design, Modeling & Simulation	Doug Hopkins, North Carolina State University; Leslie Hwang, Arizona State University
Reliability & Failure Analysis	Jeff Ewanchuk, RTRC
Passive Components	Trifon Liakopoulos, Eneira; Kousuke Miyaji, Shinshu University
Power Delivery & Energy Storage	Francesco Carobolante, IoTissimo
Partner Session	Hongbin Yu, Arizona State University; Brian Narveson, PSMA
MTW Lab Tours (separate registration required)	Multiple ASU Researchers

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Venue

Venue

The 2026 3D-PEIM conference will be held at the **ASU Skysong Building 3 (Synergy I & II Rooms)**, located at 1365 N. Scottsdale Rd., Scottsdale, AZ 85257.

SkySong, the ASU Scottsdale Innovation Center, is home to a thriving business community that links technology, research, education and entrepreneurship to position ASU and greater Phoenix as global leaders in the knowledge economy. SkySong is a 1.2 million-square-foot mixed-use development located on a 42-acre campus in Scottsdale, Arizona. With 15 options between two buildings, SkySong has a range of spaces and features to bring your meetings and events to life.

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ASU Campus

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Gala Dinner – Botanical Gardens (Wednesday Evening)

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Thank You

Next Committee Meeting

Tuesday June 2nd 10:00am central time ?

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