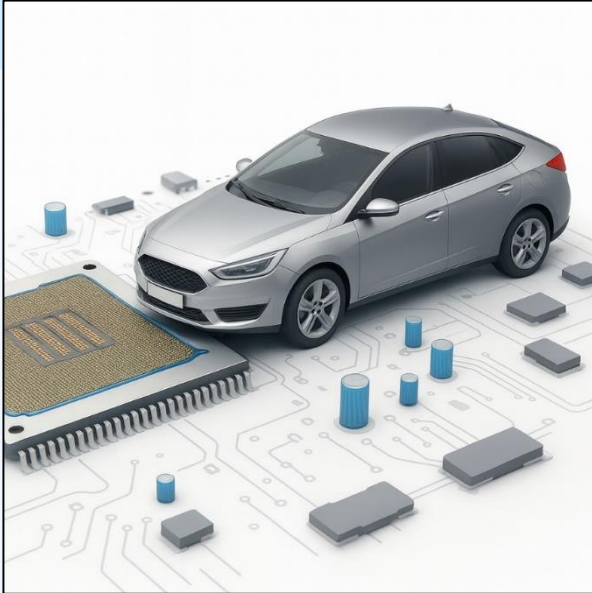


WBG & UWBG Semiconductor Devices



20th & 21st January 2026



MS Teams

SPEAKERS



Mr. Amit Chavan
Automotive Powertrain System
Architect, Renesas, Pune



Dr. Sanjay A. Patil
Sr. General Manager ARAI,
Pune



Dr. Uday Mhalskar
Power Electronics & Energy
Systems Expert, Pune



Mr. Manan Pathak
Senior Manager
GERMI, Ahemdabad



Dr. Dhanu Chettri
Post Doc Researcher
Texas, USA



Dr. Zhongchao Sun
Post Doc Researcher
Aalborg, Denmark

The Webinar aims to provide participants with a concise yet comprehensive understanding of SiC, GaN, and emerging WBG technologies. It covers fundamental device concepts, the design and manufacturing lifecycle, digital-twin-based modelling for GaN packaging, and key thermal considerations. The program also highlights India's current WBG ecosystem and the opportunities ahead. Overall, the webinar strengthens participants foundational and industry-relevant knowledge in next-generation semiconductor devices.

02 SCHEDULE OF THE PROGRAMME:

Day One: 20th January 2026

Time (IST)	Topics
13:00	Overview of WBG (Semiconductor Devices) with Indian Perspective
14:00	Fundamentals to WBG (Semiconductor Devices)
15:00	1. Design & Manufacturing Lifecycle of WBG 2. Digital-twin-based modelling and simulation for GaN power module packaging

Day Two: 21st January 2026

14:00	Thermal Aspects of WBG
15:00	India's Ecosystem for WBG Devices — Current Scenario and Opportunities
16:00	Future of WBG — Introduction to Ultra-Wide-Bandgap (UWBG) Devices

03 REGISTRATION CONTACT:**Contact Details**

Phone: 02135-630795/90 or 02135-396695/90

Email: training.pga@araiindia.com ; patil.pga@araiindia.com

Website: <https://www.araiindia.com/knowledge-initiatives/proficiency-improvement-program>

Office Address: ARAI Academy, ARAI-FID, B-16/1, MIDC, Chakan, Mahalunge Ingale,
Maharashtra 410501

04 REGISTRATION FEES:**Registration Fees (Rs.)**

(per participant) Rs.4200 + 18% GST = Rs. 4956

**10% DISCOUNT if 5 or more delegates
are registered from the same
organization**

Limited seats for Faculty/Student with a special discount.



Registration QR

Who should attend:

- Industry professionals in power electronics, semiconductors, EVs, and energy systems
- R&D engineers working on SiC/GaN devices or packaging
- Startup teams exploring WBG technologies
- Anyone interested in WBG and emerging UWBG devices