



Dear Patrons,

As the year comes to a close, IESA takes immense pride in reflecting on a transformative month in India's ESDM (Electronics System Design and Manufacturing) journey. November was a testament to the power of collaboration, innovation, and global engagement, propelling India's semiconductor ambitions forward.

A standout moment was the *Bengaluru Tech Summit (BTS) 2024*, held from November 19 to 21. For the first time in its 27-year history, the summit introduced a dedicated *Electronics and Semiconductor Track*, a landmark initiative curated by IESA. Featuring 24 IESA expert speakers in BTS24, the track delved into transformative strategies, policies, and technologies to fortify India's ESDM ecosystem. The Topics included - India's progress in semiconductor manufacturing, design innovation, with a focus on integrating AI, 5G, and IoT into the semiconductor landscape, brought academia, startups, and policymakers together to emphasize R&D and talent development as cornerstones of a robust ecosystem. Dr. Veerappan, IESA Chairperson, delivered a keynote address and closing remarks on the day 3 of the BTS conference

As a pure-play semiconductor foundry, Global Foundries (IESA Member) announced the GF 'India Foundry Program' that focuses on enabling access to our technologies, providing local engineering support, and facilitating networking and knowledge sharing through platforms like **GF India Teknika**. IESA EC joined the discussions with Global leaders of GF. Mr. Rajeev Khushu joined the panel discussion on Future of Semiconductors, India's Emerging Role and Global Challenges during the Annual Summit of the Global Trade and Innovation Policy Alliance in Delhi.

Another milestone was the India-Sweden Semiconductor Day, held at the Embassy of Sweden in New Delhi. This event underscored India's growing influence in the global semiconductor value chain while fostering dialogues on emerging trends and bilateral opportunities.

In a significant global outreach, IESA's delegation met with Alon Stopel, Chairman of the Board, Israel Innovation Authority, strengthening ties and exploring collaborative growth between India and Israel.

Domestically, IESA made its presence felt at BHEL Samvaad 4.0 in New Delhi. Through impactful panel discussions, we tackled challenges in semiconductor supply chain resilience and charted actionable paths for self-reliance.

The industry witnessed an exciting milestone as Duflon Industries Pvt. Ltd ventured into Chemical Delivery Systems for semiconductors. This move highlights India's growing manufacturing capabilities, supported by IESA's strategic initiatives.

As we step into 2025, IESA remains unwavering in its mission to drive innovation, foster collaboration, and build resilience in India's ESDM sector. Together, let's shape a future that's truly transformative.

Here's to another remarkable year ahead!



Yours Sincerely
Ashok Chandak
President, IESA



Yours Sincerely
Dr. V Veerappan
Chairman, IESA

PR Coverage Summary: November Highlights

- Over 30 unique initiatives were communicated across print, online, and social media platforms.
- Major media outlets, including *Zee Kannada News*, *Kalinga TV*, *New Indian Express*, and *MoneyControl*, featured IESA's quotes, exclusive interviews, and key insights.

Highlights included:

- Exclusive interviews with Ashok Chandak and Dr. V Veerappan during BTS 2024.
- Features on India's semiconductor growth and the Electronics and Semiconductor Track at BTS.
- Bengaluru Tech Summit 2024 coverage showcased IESA's pivotal role in India's ESDM ecosystem.
- Social media platforms also performed exceptionally well:
 - a. LinkedIn and Twitter generated over 59,739 impressions and 11,350 clicks.
 - b. LinkedIn community continued expansion reaching 23,441 followers.
 - c. Top-performing posts included BTS highlights and announcements for new members.

Stay updated on IESA's progress by following us on LinkedIn and Twitter, and help amplify our reach by sharing posts. Your support continues to strengthen IESA's voice within the industry.

[View PR Coverage Summary](#)

UPCOMING EVENTS

- Mid-year member meet, 03rd Dec
- TiE Global Summit, 09th-12th Dec
- Semicon Japan, 11th-13th Dec
- SMTVIP'24 , Kalasalingam, 13th-14th Dec
- Inauguration of IOSAT facility by Suchi Semicon, Surat, Gujarat, 15th Dec
- SimEDGE 2024 supported by IESA, 17th Dec
- IEEE Asian Test Symposium Conference by Nirma University, 18th Dec



Empowering Startups and Academia: IESA at Global Foundries' India Foundry Program Launch

IESA supported and joined the Launch of Global Foundries unique India foundry support program. That will have a local team set up to support the Start Up's, Academicians and companies to pursue the Innovations with access to GF technologies. GF 'India Foundry Program' focuses on enabling access to our technologies, providing local engineering support, and facilitating networking and knowledge sharing through platforms like [GF India Teknika](#). IESA members, and EC leaders Including Dr. Veerappan, Mr. Ruchir Dixit, Ashok Chandak, Sanjeev Keskar, Rajeev Khushu, Ashok Mishra and others have joined the launch and technical / Business discussions.

IIESA Makes a Strong Impact at Bengaluru Tech Summit 2024

Bengaluru Tech Summit 2024, held from November 19 to 21, introduced the Electronics and Semiconductor track for the first time in its 27-year history. Featuring 24 prominent speakers from IESA, the track explored cutting-edge trends, innovations, and strategies, advancing Karnataka and India's ESDM sector.

Day 1 Highlights at BTS 2024

The Electronics and Semiconductor track debuted at BTS 2024, marking a historic moment in the summit's 27-year journey. Day 1 featured impactful sessions where Dr. V Veerappan (IESA Chairperson) mentored 10 startups in an intensive 2-hour session, providing strategic guidance to foster innovation. The day also celebrated Santosh Kumar Panigrahy (Texas Instruments), honored by the Karnataka government for 40 years of outstanding contributions to Bengaluru's tech ecosystem.

Day 2 at the Circuit Stage

IESA leaders took center stage on Day 2, leading discussions on transformative topics at the Circuit Stage. Key sessions included Harnessing India's Chip Design Talent & Ecosystem, featuring Navin Bishnoi (Marvell Technology), Gautam Singh (FermionIC Design), and Ashok Mishra. Another standout session, Increasing India's Value Chain in Electronic Manufacturing, saw insights from Deepak Chadha (Kaynes Technology) and Sanjeev Keskar (arvind consultancy). The day concluded with a deep dive into Emerging Technologies and Products, led by Malini Narayanamoorthi (Renesas Electronics), Ruchir Dixit (Siemens EDA), and Hitesh Garg (NXP Semiconductors).

Day 3: A Vision for India's ESDM Future

The summit's final day underscored India's growing global leadership in the ESDM sector. Dr. V Veerappan delivered a visionary keynote showcasing Karnataka's evolution as a hub for electronics and semiconductor innovation. During the Electronics and Semiconductor Roundtable, industry leaders tackled investment strategies and infrastructure challenges, emphasizing government-industry synergy. Sessions by Shankar Krishnamoorthy (Synopsys Inc), Sridi Maddali (Qualcomm), and Sambit Sahu (Ola Krutrim) highlighted advancements in AI-driven chip design and emerging technologies, cementing IESA's role in driving India's ESDM trajectory.

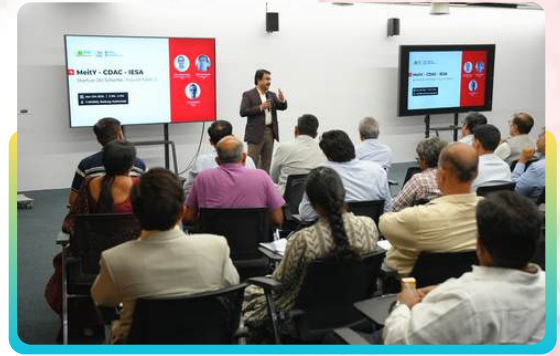


IESA Meets US Consul General to Discuss Investment Opportunities in Gujarat

On November 6 in Ahmedabad, IESA members Nilesh Ranpura, Sudhir Naik, and Chirag Jasani met with US Consul General Mike Haney. The discussion focused on inviting a delegation of 25-30 US companies exploring India under the China+1 strategy to assess Gujarat's investment potential. IESA highlighted past collaborations with the US, Gujarat's business-friendly environment, and investment opportunities, reaffirming its commitment to fostering partnerships and driving growth in the electronics and semiconductor sectors.

Highlights from IESA DLI Scheme Roundtable – Session 2, Hyderabad

IESA successfully hosted the second DLI Scheme Roundtable in Hyderabad on November 12, bringing together over 60 participants, including 40 startups and 15 industry leaders. Highlights included a welcome address by Venkata Simhadri (IESA Hyderabad Chair), a presentation on the Design-Linked Incentive Scheme by Vivek Khaneja (C-DAC), and an industry case study by Srinivasa Kakumanu (MosChip CEO). The event concluded with open house discussions and one-on-one consultations for DLI aspirants, accompanied by a networking tea session hosted by the Centre for Development of Advanced Computing (C-DAC) team.



IESA webinar Highlights India's Post-Silicon Validation and Manufacturing Capabilities

IESA hosted a successful webinar on "Post Silicon Validation and Manufacturing: India Capabilities," featuring Anand Muthaiah (VP, Tessolve) and Senthilkumar Dhamodharan (Test Director, Caliber Interconnect Solutions). On November 6, The session provided deep insights into India's growing role in semiconductor validation and manufacturing, exploring trends, innovations, and strategies for progress. IESA President Ashok Chandak concluded with a vote of thanks, highlighting the importance of such discussions.

[WATCH HERE](#)

Advancing India's Semiconductor Mission: Highlights from SemiX Summit 2024

IESA proudly supported the 2nd Annual SemiX Summit 2024, held in Mumbai from November 13 to 15. This pivotal event advanced the India Semiconductor Mission, bringing together over 300 delegates, including industry leaders, government officials, and academics. With a focus on research, workforce development, and entrepreneurship, the summit explored key domains like AI, logic computing, and packaging. Through talks, workshops, and networking opportunities, India's semiconductor ecosystem was strengthened, driving innovation and collaboration for a self-reliant tech future.



Showcasing India's Potential at Electronica Munich 2024

Electronica Munich 2024, held from November 12 to 15, showcased over 3,000 booths across 18 pavilions, representing the global electronics ecosystem. Concurrently, Semicon Europa, organized by SIMI, added to the event's significance. Sanjeev Kesar, IESA EC member and Chairperson of the Advisory Committee for Messe München India, delivered a presentation titled "India - Large Opportunity for EMS and Component Manufacturing," highlighting India's potential in electronics manufacturing on this prestigious global platform.

IESA Chairman Inspires Graduates at Sri Eshwar's 12th Graduation Ceremony

The 12th Graduation Ceremony at Sri Eshwar celebrated the achievements of the Batch of 2023 in a proud gathering of graduates, families, and faculty. The event was graced by Dr. V. Veerappan, Co-Founder & President of Tessolve and Chairman of IESA, as the Chief Guest. His inspiring address emphasized the importance of innovation and resilience, leaving the graduates motivated to excel in their future endeavors.



IESA Members Participate in BHEL SAMVAAD 4.0 to Promote Self-Reliance in Semiconductors

BHEL SAMVAAD 4.0, a flagship initiative by BHEL to foster collaboration and promote AatmaNirbhar Bharat, was held on November 25, 2024, at Bharat Mandapam, New Delhi. The event brought together dignitaries from the Government of India, academia, research institutions, and industry associations to discuss capacity building and innovation. Sunny Malhotra, IESA NCR Chapter Head, participated as a panelist in the session on strengthening the supply chain for semiconductor devices. Dr. Rakhi Nangia also contributed to discussions on overcoming challenges in semiconductor supply chains, emphasizing collaborative solutions for a self-reliant Bharat.



Duflon Industries Expands into Semiconductor Chemical Delivery Systems

IESA's Director of Sales & Marketing, Ved Prakash Mall, held a strategic discussion with Duflon Industries, exploring opportunities to enhance India's semiconductor ecosystem. Duflon Industries Pvt. Ltd., renowned for manufacturing fluoropolymer products such as PFA tubing, PTFE baths, and PFA/PTFE components in cleanroom environments, is now venturing into chemical delivery systems for the semiconductor industry. The official announcement of this strategic expansion is expected soon.



India-Sweden Semiconductor Day Explores Synergies and Growth

The India-Sweden Semiconductor Day, held on November 26, 2024, at the Embassy of Sweden in New Delhi, reinforced bilateral collaboration in the semiconductor sector. A roundtable discussion on "Global Semiconductor Landscape: How India is Emerging as a Key Player" featured Dr. Rakhi Nangia, Deputy Director of IESA, who shared insights on India's semiconductor talent ecosystem, investment roadmap, and infrastructure needs for a robust ecosystem. The event provided a platform to exchange best practices across the value chain, fostering innovation and cooperation between the two countries.



IESA Delegation Engages with Israel Innovation Authority

IESA members recently met Alon Stopel, Chairman of the Board, Israel Innovation Authority, and his team to strengthen ties and explore collaborative opportunities in innovation and technology. The discussions highlighted potential areas for cooperation between India and Israel in the semiconductor and electronics sectors. Additionally, some IESA members engaged in one-on-one meetings with visiting companies, fostering deeper industry connections and paving the way for meaningful partnerships.

Toho International Explores Collaboration with IESA

Delegates from Toho International visited the IESA office and met with IESA Chairperson Dr. V Veerappan and Board Member Mr. Rajeev Khushu. The discussions focused on Toho International's interest in engaging with and supporting semiconductor manufacturing companies in India. This meeting reflects growing global interest in India's semiconductor ecosystem and highlights IESA's role as a catalyst for fostering such meaningful collaborations.



IESA Engages with Welsh Government to Explore Semiconductor Opportunities

On November 28, 2024, IESA members Dr Rakhi Nangia, Mr Sunny Malhotra, and Mr Anil Rai (Kaynes Technologies) met Mr Andrew Gwatkin, Director of International Relations and Trade for the Welsh Government, and his India team in New Delhi. Discussions covered Wales' compound semiconductor industry, India's semiconductor market, and the Government of India's fab policy. IESA shared insights on its initiatives, including the upcoming Vision Summit 2025, fostering collaboration opportunities between India and Wales.

STARTUP / MSME OF THE MONTH - DECEMBER 2024



Company Name: NIPPON DATA SYSTEMS LTD

Company Location: Noida

Website: <http://nippondata.com/services/electronic-design-automation-software/>

Email Id: harish@nippondata.com

Contact no: +9198119 96146

Overview: With over 30 years of expertise in the IT industry, Nippon Data has built a solid reputation for delivering reliable, high-quality engineering solutions. Supported by a team of 1,200+ skilled professionals, we place our client's success at the forefront of our priorities. Our comprehensive experience spans the management and development of complex engineering projects, ensuring efficient and innovative outcomes. Our Product Engineering Division specializes in end-to-end services in the semiconductor development space, including product design, development, and support.

Key Services

VLSI Design

- Digital Design: RTL, Design Verification, DFT, Physical Design, Emulation, Pre-Silicon Validation
- Analog Design: Modeling, Circuit Design & Layout, AMS/SoC Design, P/AMS Verification
- Integration and Verification: Chip Integration, SoC Verification

Test Engineering

- NPI Test Development, Platform Conversions, Yield Optimization
- Reliability Testing, Bench Validation, System & Platform Testing
- Post-Silicon Testing, Pre-Compliance Characterization

PCB Design

- ATE Board Design, Component Library, Simulation Services
- Evaluation Boards, Prototypes, SI/TI/PI Simulations
- Turnkey Manufacturing

Embedded Systems

- Hardware Design & Integration, System Development
- System Manufacturing, Embedded Product Services



Company Name: InnoPhase IoT, Inc.

Company Location: #230/1/150/2, 1st Floor, Enzyme HSR16, 24th Main, 7th Cross, Sector 1, HSR Layout, Bangalore - 560102

Website: www.innophaseiot.com

Email Id: info@innophaseiot.com

Contact No. +91 9008804269

Overview: InnoPhase IoT Inc., headquartered in San Jose, CA, is a fabless wireless semiconductor platform company dedicated to enabling the promise of Internet of Things (IoT) solutions. Its flagship product, the Talaria TWOTM multi-protocol chipset and modules delivers the world's lowest-power Wi-Fi radio to the rapidly growing untethered battery-operated IoT device market. InnoPhase IoT enables end-to-end market-ready extreme low-power wireless IoT solutions with extended battery life, a low total cost of ownership (TCO), high-performance wireless use cases, and rapid time to market.

Key Products:

- IoT applications that require an extremely low-power direct-to-cloud connection to Remote security wireless cameras and video doorbells
- Sensor to cloud smart home devices like thermostats, smoke alarms, door locks, air quality sensors and others
- Industrial IoT
- Medical/Healthcare
- Audio headsets and other modules

Highlights/Services:

- Talaria TWO INP101x Multi-Protocol Wireless Modules: Complete solutions with integrated wireless connectivity plus microcontroller for edge-of-network IoT designs
- INP301x-EVB-A Talaria TWO Evaluation Kits: Kits for measuring the performance and capability of the Talaria TWO INP101x modules
- Talaria TWO Software Development Kit (SDK): Evaluation and development software in downloadable .zip files with various evaluation/development binaries and associated programming tools.
- Talaria TWO Solutions: IP Video Camera Solutions – Smart Video ADK, Matter v1.2 Solutions, IoT Device Provisioning Solutions, Cloud Connectivity Solutions (AWS and Microsoft Azure), Low Power Sensor-to-Cloud IoT Solutions

IESA Offices

Bengaluru (Head Office):

India Electronics & Semiconductor Association
No.16, Kensington Road Cross, Next to RMZ
Millenia Tower, Ulsoor, Bangalore 560077
☎ 080 40939022, 080 40939918

Delhi:

Indo-French Chamber of Commerce & Industry (Delhi)
Gate no. 3, 1st floor, R K Khanna Tennis Stadium,
1, Africa Ave, near Deer Park, Safdarjung Enclave,
New Delhi, Delhi 110029, ☎080 40939022,
080 40939918

Ahmedabad:

2, Aryan Park Complex Nr,
Railway Crossing,
Thaltej - Shilaj Rd, Thaltej,
Ahmedabad, Gujarat 380054

www.iesasonline.org

