

MONTHLY NEWSLETTER

VOLUME 2 | MAY 2024



Dear Patrons,

Greetings from IESA!

April marked a period of remarkable growth for both IESA and the semiconductor industry, as the IESA Gujarat Chapter proudly hosted the 55th Mid-Term Symposium (MTS, 2024), in collaboration with IETE and Pandit Deendayal Energy University, on April 13th and 14th in Gandhinagar.

Themed "Semicon @2030: Trends and Technologies for Viksit Bharat," the symposium provided a dynamic platform for leading technology experts, researchers, academia, startups, and students to exchange insights and delve into recent technological developments in the ICT domain. As Bharat steadfastly moves towards achieving developed nation status by 2030, IESA remains steadfast in its commitment to leveraging semiconductor innovations to realize this ambitious vision.

Building upon this momentum of growth and collaboration, Anurag Awasthi, VP of IESA, spearheaded a strategic meeting with Bettina Weiss, Chief of Staff and Corporate Strategy of SEMI, and Maya Suresh, Manager of SEMI India, at our New Delhi office on April 24, 2024. The discussions revolved around planning parameters and a comprehensive assessment of all implementation aspects for the seamless execution of SEMICON INDIA in September 2024.

In addition to this, IESA warmly welcomes new Executive Council members and Dr. V Veerappan as our new chairman for FY 2024-25. Dr. Veerappan brings a wealth of experience and strategic vision to our organization, and we eagerly anticipate his leadership in driving IESA's mission forward. Let's hear from our new chairman, about his upcoming plans and initiatives to further propel IESA into a new era of success and growth!



Yours Sincerely
Ashok Chandak
President, IESA

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A Message from IESA's President and Chairman

IESA-ICC Taskforce Initiates Efforts for Semiconductor Ecosystem with First Meeting

IESA congratulates Tata Group on its upcoming plans for India

IESA Explores B2B Collaborations with Singapore Delegates

IESA Holds Productive Meeting with Malaysian High Commission Officials

IESA Engages in Productive Discussion with Innovation Counsellor at Netherlands Embassy in India

ICC & IESA Collaborate Together to Drive Semiconductor Chemical Venture

IESA participated Industry-Academia Connect at BITS Pilani Campus, Hyderabad and SIT, Pune

Gujarat Chapter Leads IESA Delegation with Indian Electronics and Telecommunications Representatives

IESA Commends Lam Research for Empowering India's Semiconductor Industry

IESA Holds Member Connect with Alpha Wave SEMI

Mitsubishi Delegation Explores Collaboration Opportunities with IESA

Upcoming Events

Global AI Summit (Hyderabad)

Technology Leadership Forum (TLF) (Bengaluru)

Global IESA Summit (Singapore)



MESSAGE FROM IESA CHAIRMAN

Dear Members of the Electronics and Semiconductor Industry,

It is with great pleasure that I extend a warm welcome to each of you as we embark on another year together within the community of IESA. As the new Chairman, I am deeply honoured to serve the association during this pivotal time of growth and innovation in the ESDM sector.

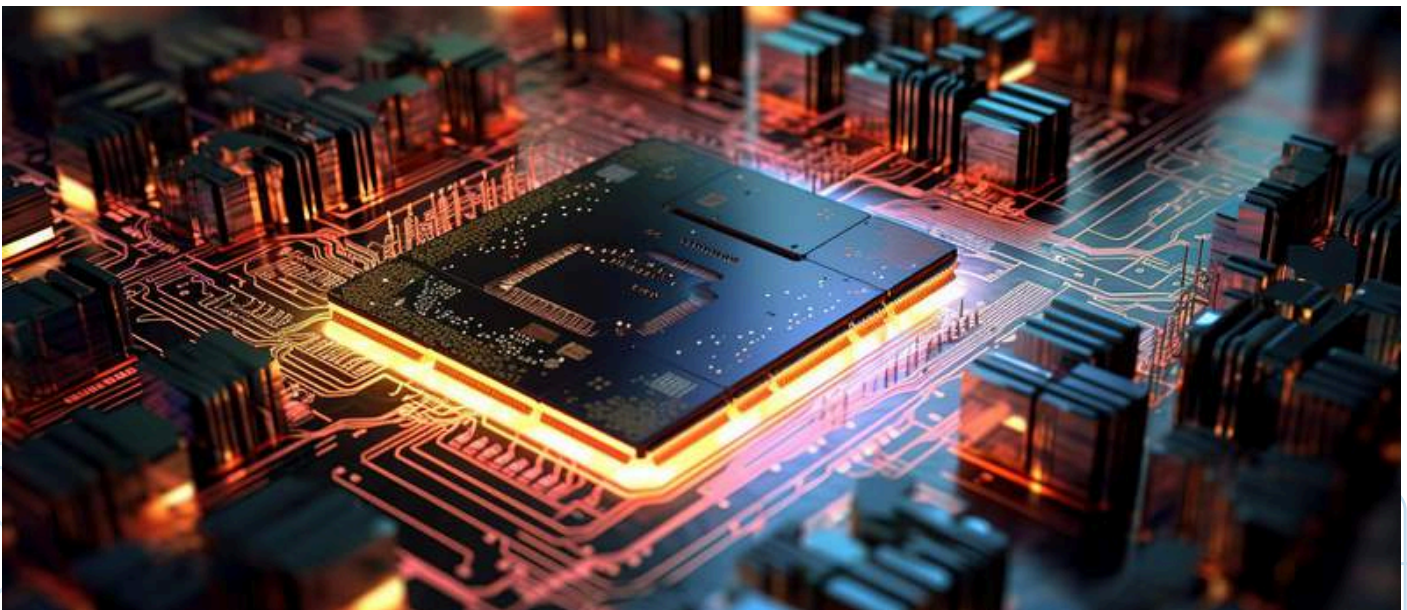
This year, IESA is dedicated to fostering the growth of our industry and enhancing the value we provide to our members. We have set ambitious goals, including expanding our global reach to support international companies entering India while facilitating the global expansion of our domestic companies. Building trust and credibility with the Indian government is a key focus, and we are committed to advocating for favourable policies and subsidies to bolster the semiconductor and electronics industries in our country. Now more than ever, it is crucial that we stand united as a pillar of support for the government's initiatives, ensuring that announcements become a reality soon. IESA will play a pivotal role in attracting equipment suppliers, chemical players, and new companies to India, fostering valuable connections and partnerships.

Additionally, I am excited to announce that we have planned a total of 36 events this year, encompassing both virtual and physical formats across the nation. These events will serve as invaluable platforms for networking, knowledge sharing, and collaboration within our industry. As we move forward together, I am confident that our collective efforts will propel IESA to new heights of success and prominence on the global stage of electronics and semiconductors.

Thank you for your continued support, and here's to another year of remarkable achievements and growth!



Yours Sincerely
Dr. V Veerapan
Chairman, IESA



IMPORTANT HIGHLIGHTS



IESA-ICC Taskforce Initiates Efforts for Semiconductor Ecosystem with First Meeting

On April 30, 2024, the first meeting of the IESA-ICC Taskforce convened in Mumbai, with a two-fold aim of ensuring supply chain resilience and indigenisation of myriad chemicals and gases for the semiconductor ecosystem. Members from both IESA and ICC participated in this pivotal gathering, recognizing the domain's immense impact and its potential as a future game-changer.

IESA President and Director congratulates Tata Group on its upcoming plans for India

IESA President, Mr. Ashok Chandak, and IESA Director (Sales & Marketing), Ved Prakash Mall, and IESA EC Member, Mr. Rajeev Khushu met with Mr. Randhir Thakur, CEO and MD of Tata Technologies, to extend congratulations on Tata Group's ambitious plans for India. The meeting also provided an opportunity to update the Tata team on the latest developments and activities of IESA.



IESA Explores B2B Collaborations with Singapore Delegates

Anurag Awasthi, IESA VP, held a strategic meeting at our New Delhi office with Yuemín Li-Misra, the new Regional Director (South Asia) of Enterprise Singapore, and Vivek Raguraman, First Secretary (Economic) of the High Commission of Singapore in India. The discussion centered around identifying opportunities and waypoints for B2B collaborations. Exciting prospects for specific areas of cooperation are on the horizon, signalling a promising trajectory for industry partnerships.

Additionally, the Enterprise Singapore delegation also met with other IESA representatives to discuss many other possibilities of working closely, fostering mutual growth in the semiconductor ecosystem.

IESA VP, Anurag Awasthi, Holds Productive Meeting with Malaysian High Commission Officials

Anurag Awasthi, Vice President of IESA, engaged in a fruitful meeting with officials from the High Commission of Malaysia at our New Delhi office. The discussion delved into prospective areas of collaboration on a B2B level, future industry connections between the two nations, and joint workforce development initiatives. Attendees included Ms. Shamilah Perumal, Minister (Economic Affairs), Mr. Ahmad Zaidi Mohd. Ilias, First Secretary (Economic), and Mr. Hari Mohan Sharma, Economic Officer.



IESA VP Engages in Productive Discussion with Innovation Counsellor at Netherlands Embassy in India

Anurag Awasthi, IESA VP, had a fruitful discussion on future groundwork and roadmap planning with Dhoya Snijders, the Innovation Counsellor for India at the Netherlands Embassy, at our New Delhi office on April 27, 2024. During this meeting, Mr. Snijders shared that our Indo-Dutch Semiconductor Opportunities report is highly sought after and expected to catalyze numerous collaborations in the semiconductor sector.

Indian Chemical Council & IESA Collaborate Together to Drive Semiconductor Chemical Venture

IESA & ICC representatives convened at the ICC headquarters in Mumbai to explore synergistic initiatives aimed at facilitating businesses venturing into the realm of Semiconductor Chemicals in the region. Mr. Ashok Chandak, President of IESA, and Director Ved Prakash Mall were instrumental in driving the conversation forward. The meeting underscored the importance of collaborative efforts in advancing semiconductor industries, aligning with IESA's commitment to fostering innovation and growth in the sector.



IMPORTANT HIGHLIGHTS



IESA participated Industry-Academia Connect at BITS Pilani Campus, Hyderabad

On 18 April 18, 2024 BITS Hyderabad, hosted an Industry-Academia Connect with IESA at BITS Pilani Campus. Anurag Awasthi, VP IESA and Director of BITS Hyderabad Dr. S Mukherjee engaged in an insightful discussion during this event, followed by a visit to the central analytical facility, MEMS and nanoelectronics lab as well as electronics materials and device lab. The interaction with students and faculty was particularly enriching, emphasizing the importance of bridging academia and industry for future leadership development.

Sudhir Naik, IESA Gujarat Chapter Chairman and Treasurer, Leads IESA Delegation with Indian Electronics and Telecommunications Representatives

Sudhir Naik, Chairman of IESA's Gujarat Chapter and Treasurer, spearheads an important delegation in Indian Electronics and Telecommunications, on April 12, 2024. This initiative underscores IESA's commitment to fostering collaborations and driving advancements in the industry. Naik's leadership ensures impactful representation and meaningful engagement within the electronics and telecommunications sector.



IESA actively participated in Industry-Academia Connect at SIT, Pune

On April 12, 2024, IESA organized an Industry-Academia Connect at Symbiosis Institute of Technology, Pune, under SemiconIndia FutureSkills by IESA initiative. The event aimed to narrow the gap between academia and industry. Dr. Sushama shared an overview of IESA and its academic endeavours. Esteemed industry experts, Mr. Nirajan Pol (Seagate Technology) and Mr. Sundeep Gupta (Alphawave SEMI), delivered engaging talks and interacted with students, faculties, and senior management. The program also marked the presence of faculty members and students of Vishwakarma Institute of Information Technology, Pune.



IESA Commends Lam Research for Empowering India's Semiconductor Industry

IESA Congratulates Lam Research for signing the MoU for their visionary partnership with the India Semiconductor Mission and the Indian Institute of Science. This collaboration aims to empower engineers and scale India's semiconductor industry by contributing \$29 million in Semiverse™ licenses. These licenses will bring a world-class virtual training and innovation environment to universities across India, fostering skill development and innovation. Lam Research's commitment reflects its dedication to driving technological advancements and fostering growth within India's semiconductor ecosystem.



IESA VP Anurag Awasthi Holds Member Connect with Alpha Wave SEMI

Anurag Awasthi, Vice President of IESA, recently engaged in a productive Member Connect session with Mr. Sandeep Gupta from Alpha Wave SEMI. Discussions centered around crucial intellectual property (IP) aspects and valuable insights in this specialized domain. IESA consistently reaches out to its members for input on a diverse range of issues, fostering collaboration and knowledge exchange within the industry. Such engagements exemplify IESA's commitment to supporting and amplifying the voices of its members for mutual growth and success.

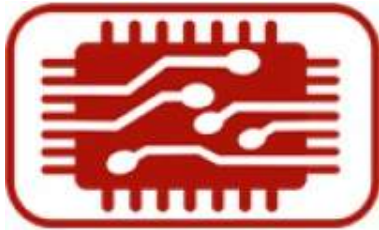


Mitsubishi Delegation Explores Collaboration Opportunities with IESA

The Mitsubishi delegation visited the IESA Bengaluru office (Head Office) on April 17, 2024, and met with Chairman Dr. V Veerapan and IESA Director (Sales & Marketing) Ved Prakash Mall. The purpose of the meeting was to discuss potential avenues for collaboration and explore opportunities to work together. This visit underscores IESA's commitment to fostering partnerships with industry leaders to drive innovation and growth within the semiconductor ecosystem.



STARTUP/MSME INTRODUCTION



Company Name: PrimeSOC Technologies

Company Location: No 2, 4th Floor, 30th Cross, NG Complex, Bannerghatta Road Layout, (Near Ashram Bus stop), Jayanagar 'T' Block, (Opp. Sagar Hospital), Bangalore – 560 041

Website: www.primesoctechnologies.com

Email: js@primesoctechnologies.com

Overview: Primesoc Technologies is a fast-growing fabless semiconductor company, located in Bangalore, India, developing the First pass silicon High-speed interface IPs predominantly focused on PCIe, MIPI, USB, and Memory Digital controllers. To cater to the fast-growing demands of data rates, it is very essential to have revamped low-power, high-performance architectures of Digital IP controllers to have a smooth functioning of devices considering a lot of factors including area, power and performance.

All Primesoc IPs are FPGA Validated, Silicon realised and Proven for all scenarios. Being early to market with solid performance IPs is a key differentiator of our products.

PrimeSOC's Highlights:

- Strong expertise in the subject matter.
- All teams are in-house. (Design, Verification, Validation, Embedded)
- Quick completion of work within the timeline.
- Technical support
- Involvement in Deep technical spec development phase
- Technical Presentations

PrimeSOC's Key Products (IPs & VIPs):

- PCIe 6.0,5.0,4.0,3.0,2.0,1.0
- CXL 3.0, 2.0
- UCIe 1.0, 1.1
- MIPI CSI/DSI
- Memory Digital controllers

Services:

- SOC projects involving 3rd party IP integration
- SOC designs
- Glue logic additions
- Architectures
- FPGA validations
- Post-silicon validation support
- Netlist simulation runs
- Full SOC support



Company Name: MICRO-EPSILON India Pvt. Ltd.

Company Location: Pune, Bangalore

Website: www.micro-epsilon.in

Email: info@micro-epsilon.in

Overview: Measurement tasks in the semiconductor industry place high demands on the sensors used. Micro-Epsilon offers a wide range of high-precision displacement sensors that are used for various measurement tasks along the entire process chain in semiconductor manufacturing and processing. Our sensors deliver exceptional performance in all process steps and are used around the world by leading machine builders and semiconductor producers.

For example in environments with high acceleration, strong magnetic fields and ultra-high vacuums. Applications for the sensors include wafer fabrication, metallization, lithography and packaging. Applications for the sensors include wafer fabrication, metallization, lithography, and packaging.

PrimeSOC's Highlights:

- Optical sensors
- Nanometer-precise measurement of position, orientation and thickness of wafers and coatings
- Alignment of optics, machine parts and handling
- Electromagnetic displacement sensors
- Nanometer-precise distance monitoring for optics
- Fine positioning of machine parts and handling elements
- Micro-mechatronic systems
- High-precision sensor-actuator systems for lithography and optical systems

Services:

- Additive Manufacturing
- Aerospace
- Automation
- Battery Production
- Semiconductor Wafers
- Medical Technology
- Metrology & Testing Technology
- Precision Optics