

About the Roadmap...

Thank you for your interest in the *International Technology Roadmap for Semiconductors*, also known as the *ITRS*. The ITRS participants are from the global community of industry, universities, and laboratories, and consortia. The process continually reviews the industry trends and developments, resulting in information updates annually as either a newly rewritten edition or an update to the previous year's edition.

This effort is sponsored by the *European Electronic Component Manufacturers Association [EECA]*; the *Japan Electronics and Information Technology Industries Association [JEITA]*, the *Korea Semiconductor Industry Association [KSIA]*, the *Taiwan Semiconductor Industry Association [TSIA]*, and the *U.S.A. Semiconductor Industry Association [SIA]*.

This 2001 edition is the result of cooperation by hundreds of semiconductor industry experts to address the key technical challenges over the next 15 years. Based on the Overall Roadmap Technology Characteristics, input was gathered for the most difficult challenges, technology requirements, and needed areas of innovation for System Drivers; Design; Test; Process Integration, Devices and Structures; Front End Processes; Lithography; Interconnect; Factory Integration; Assembly and Packaging; Environment, Safety and Health; Yield Enhancement; Metrology; and Modeling and Simulation. Additionally, a summary regarding a long-term view of potential Emerging Research Devices is included in the Process Integration chapter.

We invite your company to participate in the ITRS process. Check our calendar for our public forums held twice a year. Also, working groups' membership is encouraged. Such members are actively engaged with others in the semiconductor community to review and update the chapters of the ITRS.

How to contact us?

We welcome your comments and questions. Visit us at <http://public.itrs.net> for more information, call 512.356.6687 to leave a phone mail or email us at technology.roadmap@sematech.org.