

SEMI®
Semiconductor Equipment and
Materials International

www.semi.org

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SEMI: A Global Industry Association

SEMI delivers access to:

- Information
- Global Markets
- People—*from governments to customers*

SEMI products and services include:

- Expositions: SEMICON[®], FPD
- Market research & statistics
- **International Standards**
- Public policy/EHS
- Technical & Business Conferences
- Industry Publications:
Semiconductor Manufacturing Magazine
- Website: www.semi.org



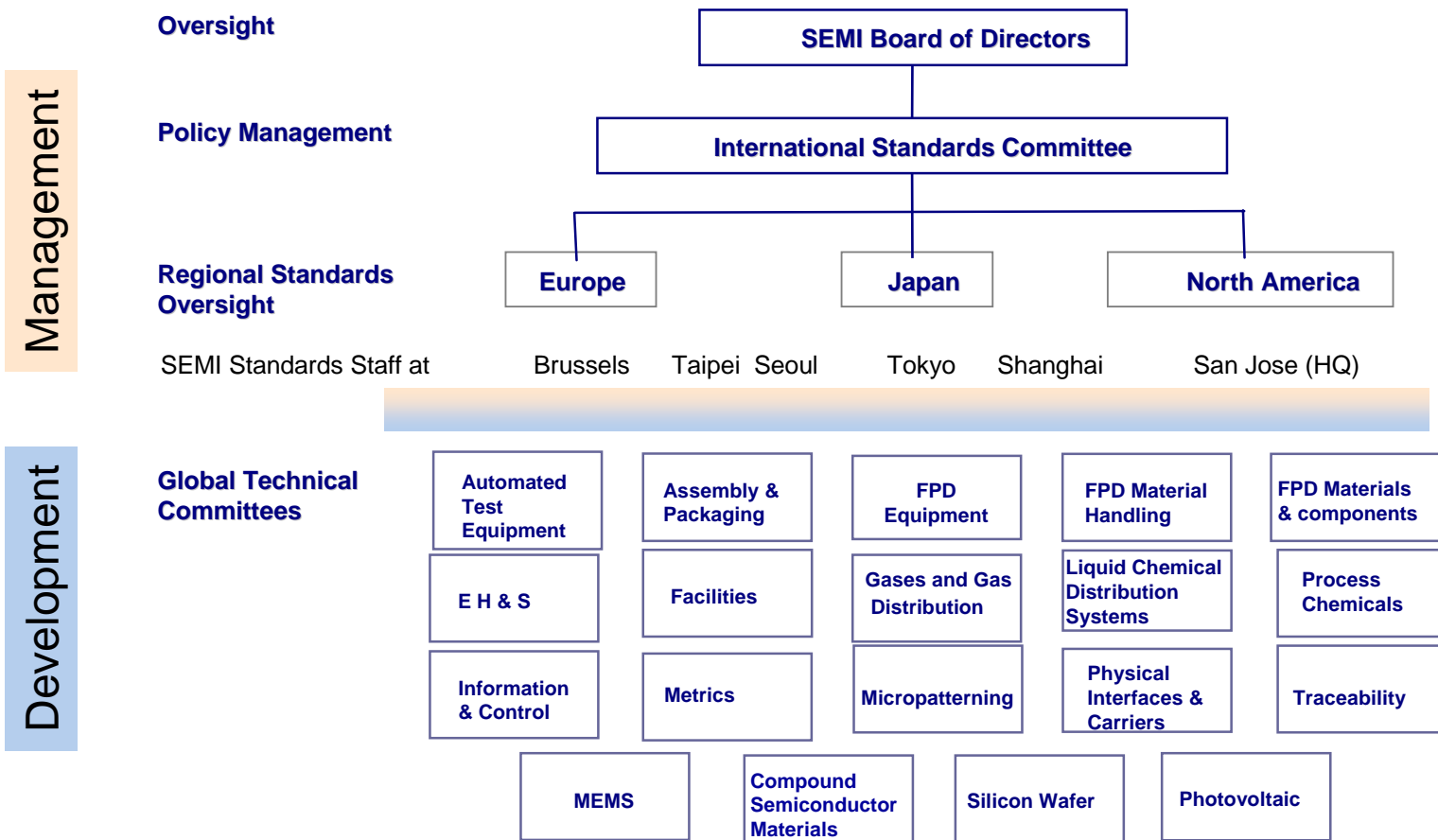
Feb. 26-28, 2008

International Workshop on Documentary Standards for Measurement and Characterization in Nanotechnologies

SEMI Business Members

- Corporate SEMI members supply
 - manufacturing equipment and materials
 - software
 - metrology and control tools
 - support and consulting services
- Customers include
 - semiconductor, flat panel display, MEMS and PV industries
 - a growing number of such companies related to nanotechnology
- SEMI's income comes from
 - dues of corporate members
 - trade shows and exhibitions
 - market research & statistics
 - standards and other services

The SEMI Standards Structure



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Standards Portfolio

- Over 770 Standards and Safety Guidelines
 - Semiconductor, FPD, and MEMS manufacturing tools and metrology equipment
 - Materials, factory automation/interfaces, EH&S, control software, process chemicals, gases, facilities ... and more
 - Developed, approved, and applied internationally
- Median time to develop or to revise a standard is 12-18 months
- Seven ballot cycles each year

Overview of Current Nanotech Standards Program (1)

- Work on nanotechnology standards is just starting in SEMI
- Strategic alliances and liaisons have been formed
 - keep SEMI corporate members aware of developments
 - enable SEMI to contribute on standardization topics relevant to industries served by SEMI
- Currently 30+ SEMI corporate members are active in nanotechnology
- SEMI is contributing to efforts in ASTM E56, ISO TC229, IEC TC113 and IEEE Standards

Overview of Current Nanotech Standards Program (2)

- SEMI is in D Liaison with IEC TC113/WG3 and will continue to pursue collaborative efforts with other standards developing organizations (SDOs)
- SEMI serves the semiconductor and related industries (FPD, MEMS, PV, nano)
- Future standardization efforts will focus on needs and requirements of constituencies not usually addressed by other SDOs

Documentary Standards Needs/Gaps

- The technical expertise needed to support SEMI Standards development in new fields requires attracting new experts into the existing team of 1,500 volunteer experts now enrolled in the SEMI International Standards Program
- SEMI aims at becoming a resource, information clearing house, and active contributor to on-going efforts in other organizations

Thank you

Questions?