



International Electronics Manufacturing Initiative

IMAPS Participation in Roadmap



*Paul Collander
Productronica
16.11.05*



- **What is IMAPS?**
 - **International Microelectronics And Packaging Society**
 - **”Everything between the chip and the System”**
 - **Industry based collaboration with Academia**
 - **Main activities: conferences, symposia and Advanced Technology Workshops ATW**
 - **Publications:**
 - **Advancing Microelectronics**
 - **Microelectronics and Electronic Packaging**
 - **Local publications**
- **IMAPS and iNEMI**
 - **Ceramic TWG continuously based on IMAPS participants**

- **Advanced interconnect, Advanced packaging**
- **MEMS, MOEMS, sensor integration & applications**
- **Harsh environment. Automotive & maritime applications**
- **Ceramics: thickfilm, copper plated, DBC, LTCC**
- **Microvia, HDI laminates, flex, embedded passives**
- **Chip thinning & stacking, 3D-packaging, embedding**
- **Pb and halogen free electronics, methods and consequences**
- **CSP, flip chips, area array Reliability assessment, SPC**
- **Integrated passive devices (IPD) & System in Package (SiP)**
- **Unique materials, PTF, under-fills and ACF, encapsulation**
- **Manufacturing management & outsourcing**
- **SMT and board assembly** - **Wirebonding, COB**
- **High frequency packaging** - **High temperature electronic**
- **System cost assessment** - **Nano technology**

- **In Europe 12 independent Chapters with a coordinating body, European Liaison Committee, ELC**
 - Benelux, Czech & Slovak, France, Germany, Hungary, Israel, Italy, Nordic, Poland, Romania, Russia, Slovenia, UK
- **In total some 1500 members in Europe**
- **IMAPS Europe events**
 - Every odd year a pan-European Conference circulating between 6 western chapters
 - Every even year a pan-European Symposium circulating between Eastern-European chapters (limited exhibition)
 - Conferences and Symposia typically 3 day events with 2...3 parallel sessions, tutorials and exhibition
 - Each event organised by local chapter, supported by ELC



EMPS 2006

**4th European Microelectronics and Packaging Symposium
with Table-Top Exhibition**

Terme Čatež, Slovenia, May 22–24, 2006

<http://www.EMPS2006.com>



16th European Microelectronics
and Packaging Conference & Exhibition
30th Anniversary
June 17-20, 2007
Oulu, Finland

- **FINALLY** web pages for
 - IMAPS Europe ELC
 - All European chapters
- **www.imapseurope.org**



www.inemi.org

Email contacts:

Jim McElroy

jmcelroy@inemi.org

Bob Pfahl

bob.pfahl@inemi.org