

Session 2 Discussion

MEMS

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Session 2 Discussion

MEMS

Q: Is MEMS technology competing with other technologies discussed during this Workshop?.

A: Yes (to some extent – e.g. nano-switches) and

No, it is rather consumer and user who benefits of progress of other technologies



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MEMS

Generally fabricated using modified integrated circuit (IC) fabrication techniques and materials Si-based

Q: What impact of development of the Beyond CMOS Technologies on MEMS should we expect
e.g. graphene, spintronics, molecular electronics?



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Many applications require a multi-disciplinary approach

Q: What impact of development of other science disciplines (biology, physics, chemistry etc.) on MEMS should we expect



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Q: How to accommodate in the Design procedures & tools the diversity brought by interdisciplinarity and by progress of others disciplines.

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Q: Which of the challenges mentioned in the lecture should be used to form a benchmarking criteria? Size, power/speed, functionalities ?

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Q: What is / should be/ will be an impact of the MEMS technology on the European economy, what is ability of the European economy (industry) to absorb:

- a. development of MEMS technology**
- b. Development of Beyond CMOS technologies**



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impact of the MEMS technology on the European economy,

Q: Organization of the MEMS industry vs, IC/Beyond CMOS industry in Europe.

How many Beyond CMOS fabs

How many MEMS fabs

Is Fabless realistic for MEMS

(diversification, low volume !!!)

Role of R&D facilities



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Thank You for your attention

and please share your view with us

