

Minutes



Workshop No. 1

Monday, 27.10.2008 - 14:00 – 17:30

Maritim Hotel, Berlin

Registered Participants

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Organisation & Talks

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Workshop Agenda

- 1) PolyNet NoE Research capabilities (Isak Engquist / Lars Heinze)
- 2) EOOE European Observatory of Organic & Large Area Electronics (Romain Gwoziecky / Isabelle Chartier / CEA / WP leader Knowledge Platform / EOOE report)
- 3) PolyNet Service capabilities (Markku Käsäkoski / VTT / WP leader Service Platform)
- 4) Beyond PolyNet – service's offering center (Beata Luszczynska / TU Lodz / WP leader Continuation)
- 5) Summary of PolyNet service needs survey (Markku Käsäkoski / VTT / WP leader Service Platform)
- 6) Round tables on selected topics
- 7) Summary of Workshop results (Markku Käsäkoski)

All presentations are available on <http://www.vdivde-it.de/polynet/public/public-events/polynet-ws-1> => related content => "*PolyNet_WS1_Presentations_Berlin_2008-10-27.pdf*"

Conclusions from the Discussion

The discussion was structured by four questions. Please find the conclusions for these four areas in following. For details please find the transcriptions of the corresponding pictures in on <http://www.vdivde-it.de/polynet/public/public-events/polynet-ws-1> => related content => "*Minutes WS No1 2008-10-27 wallpaper.pdf*".

Who are the Competitors & What is the Competition?

- Main competition is seen in classical Silicon Technology and the ongoing improvement of its performance.
- Inorganic printed electronics might be seen as important as organic printed electronics. Overall the term Organic and Large Area Electronics seems to right because it comprises both.
- Main competitors are seen in Asia (South Korea, Taiwan, Japan), partly also in the USA.

What are the main European Business Potentials?

- Broad range of application areas: Diagnostics and Sensors, OPV, Lighting, smart labels
- The European way is to generate enabling systems which need basic technologies (Smart Systems, ...)
- Radically different applications compared to Silicon Technologies are needed.
- Should the focus be in the areas where Europe is already strong, e.g. car industry?

What are the most important Obstacles for OLAE commercialisation in Europe today?

- Internal European Structures which are fragmented and de-organised are seen as a big obstacle. Defragmentation is therefore a crucial task.
- A lack of materials in terms of performance and durability.
- A lack of competence in electronics at conventional Printing Industries for future technological integration

- A lack of manufacturing sites and expertises in Europe is an obstacle as well as
- the current lack of business cases and entrepreneurs (at the moment also, in Europe we have too much technology push approach)

What of kind of services are needed?

- Material-related services
 - new materials development
 - materials formulation (adapted to processing)
 - materials characterisation
 - film characterisation
 - device characterisation
- Market overview, forecast & understanding
- Design kits for accessing technology small series and pilot production sites
- - small series production (> 1000 items)