



Photonics21 WG4 Meeting

11th May 2016

Hilton Airport Hotel Munich

Participants:

Ana Villacampa, Andreas Mühltaler, Bianca Pohl-Klein, Bo Habermann, Christian May, Eugenia Martinez-Ferrero, Falk Löser, Friedrich-Uwe Tontsch, Gunther Haas, Heinz Seyringer, Jukka Hast, Justin Padickakudi, Karsten Walzer, Katharina Flaig-Rüttgers, Koen Vandewal, Marco Stella, Matteo Meneghini, Michael Becker, Michael Schneider, Nina Riegel, Paul Hartmann, Rafael Jordan, Raimund Mayr, Ronald Maandonks, Rüdiger von der Heyden, Stefan Gspan, Uwe Vogel

Summary of the discussion results of the last workshop in Brussels:

- Collection of ideas and integration into actual research priorities for the areas emerging lighting, displays and electronics.
- Establishing 3 taskforces and finding volunteers for the task force leaders:
 - Emerging Lighting: Ronald Maandonks (Ronald.maandonks@Philips.com)
 - Displays: Gunther Haas (gunther.haas@microoled.net)
 - Electronics: Karsten Walzer (Karsten.walzer@heliatek.com)
- Preparing first draft versions of the prioritization documents within each task force

Number of topics for the final roadmap document (1 topic or 3 topics):

In the Brussels workshop there was an intensive discussion whether we should go for only one topic in the final roadmap document or for 3 topics. The main argument supporting to go for only one topic was that this could have a stronger focus than multiple topics. On the other side 3 topics would have the advantage that all 3 parts of WG4 (lighting, displays and electronics) would be treated equally.

Considering the fact that the other workgroups go also for 3 topics and that it would be extremely hard to find a good single topic that would cover the interests of all parts, it was decided to go for 3 topics and *take the first priority of each task force for the final roadmap document.*

Are there any cross cutting technologies to be considered separately?

There have a few topics been identified which would have an overlap with other areas (MNP, OE-A,...) but the general consensus was to keep all important topics within our own prioritization lists.

Finetuning of the Task force documents:

Lighting task force:

The topics for the possible calls have been refined and the content was discussed in detail. Based on this discussion a new version of the draft document was prepared (see attached lighting document) which should now be commented by all members of WG4. Based on these comments a new document will then be prepared which will be combined with the documents from the other task forces into our final roadmap document.

Displays:

There were 2 main proposals in the displays area: wearable displays and large scale displays. After a discussion on the market potentials for Europe it was decided to go for the wearable displays since the market potential for large displays (dominated by Korea) is for Europe too small and the necessary money would be too high.

OPV/Electronics:

There was general agreement on the proposed draft document from the OPV task force. The only question was whether perovskite should be explicitly added as additional material. Perovskite has some interesting potentials but also some critical drawbacks and the discussion during the workshop brought no clear decision on whether to include it or not. It was therefore decided to check in an e-mail voting with the WG4 whether we should include it in the roadmap or not.

Next Steps:

23.5.2016: new versions of the documents are sent to WG4 for feedback

8.6.2016: integration of the feedback into final roadmaps within each taskforce

17.6.2016: combination of the individual roadmaps into a final roadmap and sending it to the EC for a first feedback

30.6.2016: Adjustment of the roadmap based on the comments from the EC