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CIRP-2018 -"CrossSTC" - 2

CROSS STC Winter Meeting

Meeting held on February 21st, 2018
in Paris, France

MINUTES

Attendance: no list of participants was kept

GENERAL

The chairpersons (Aurich and Lutters) open the meeting and welcome all fellows and associate members that are present

PART A; COLLABORATIVE WORKING GROUPS

After presenting an overview of all the working groups that are currently active and showing the start- and end dates of the groups, all CWGs shortly present their activities, progress and initiatives.

- Composite Materials Parts Manufacturing (STCs A, C, F, M, P)
  Aug. 2015 - Feb. 2018; Keynote foreseen for 2018
  Prof. Jürgen Fleischer ***(Annex A1)***
- Self-Optimizing Machining Systems (STCs C, M, P)
  Aug. 2016 - Feb. 2019; Keynote foreseen for 2020
  Prof. Hans-Christian Möhring ***(Annex A2)***
- Urban Factories Production in Cities (STCs A, Dn, O)
  Aug. 2017 - Feb. 2020; Keynote not yet planned
  Prof. Christoff Hermann ***(Annex A3)***
- Additive Manufacturing
  Jan. 2018 – Aug. 2021; Keynote not yet planned
  Prof. Alain Bernard

One proposal for a new working group was presented.

- Industrial symbiosis in discrete manufacturing
  Prof. Joost Duflou ***(Annex A5)***

  For this proposal, it was decided that the initiators are to contact the STCs they see as main supporters of the initiative and that they will prepare material for a further discussion in Tokyo. Currently, no formal request for establishing a new CWG is made.

PART B; CROSS-STC KEYNOTES (NOT RELATED TO CWGS)

Two upcoming cross-STC keynotes were discussed.

- 2018
  Bio-Inspired *textures* for functional applications - A. Malshe (1) et al. (***Annex B1***)
- 2019
  Advanced Manufacturing for Enhancing the Performance and Functionality of Tooling for Metal Forming - J. Cao (1) et al.

No new initiatives for new cross-STC keynotes were presented.

PART C; OTHER CROSS-STC TOPICS

Initiated by a number of fellows, one topic was presented.

- Biologicalisation – Biological transformation in manufacturing
  prof. Byrne (head), Dimitrov, Monostori, Teti, van Houten, Wertheim ***(Annex C1)***

Based on the presentation, the initiators suggested that this topic could be valuable as a new CWG. However, the current team will not head such a CWG. No other volunteers immediately took initiative.

For the cross-STC meeting, I is important that it is clear how new CWGs can be established. The chairpersons of the cross-STC meeting prepared a guideline, that was accepted by the fellows and associate members present.
The guideline entails:

1. The initiator proposes the topic in the Cross-STC meeting (T, either winter or summer)
2. Support for the topic is assessed. If there is not sufficient support, the initiative is ended.
3. The cross-STC meetings asks the initiator(s) to prepare a formal CWG proposal for the next cross-STC meeting.
4. At the following cross-STC meeting (T+ ½), the formal proposal is presented.
5. The cross-STC meeting votes on support. If there is not sufficient support, the initiative is ended.
6. The cross-STC meeting forwards the proposal to Liaison
7. Liaison takes the final decision, taking into account that the maximum number of CWG is four. Liaison is also responsible for having time-slots in the programme.

The chairpersons close the meeting and thank the fellows and members for their attendance and participation.