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CIRP-2015-Cross STC preparatory meeting

Cross STC

Meeting held on, February 18, 2015
in Paris, France.

MINUTES

Presence: J. Allwood, J. Aurich, P. Bartolo, A. Bernard, E. Brinksmeier, A. Bruzzone, E. Budak, J. Cao, D. Dumur, H. Haitjema, B. Karpuschewski, W. Knapp, E. Lutters, M. Mitsuishi, R. M'Saoubi, E. Savio, S. Smith, J. Sutherland, R. Teti, J. Vancza, K. Ueda, M. Helu (Acting Secretary), M. Davies (Co-Chair), S. Kara (Co-Chair).

Meeting Agenda:

1. Welcome/Background and Purpose
2. Procedure for starting a new CWG
 - 2.1. Review of Established Procedure
 - 2.2. Discussion of Changes Needed
3. Decision on CWGs proposed in Summer 2014
 - 3.1. Composite material parts manufacturing – processes and machines (J. Fleischer (1), R. Teti (1)) (Received approximately 75 Votes)
 - 3.2. Bioinspired manufacturing (A. P. Malshe (1)) (Received approximately 45 Votes)
4. Discussion of KN proposals in Summer 2014
 - 4.1. Additional information received from authors
 - 4.2. Machining, surface integrity, and functionality of shape memory alloys, Y.B. Guo (1) (Received 13 Votes)
 - 4.3. Nanomanufacturing - fundamentals and applications, F.Z. Fang (1) (Received 10 Votes)
 - 4.4. Manufacturing and mining, Jack Jeswiet (1) (Received 20 Votes)
5. Procedure for initiating new Cross-STC Keynote Papers
 - 5.1. Presentation of proposed procedure
 - 5.2. Discussion of proposed procedure
6. Structure of Cross-STC meeting for Summer 2015.
 - 6.1. Chairs and Secretary
 - 6.2. Ensure Member-only Attendance
 - 6.3. Solicitation of Presentations

6.4. Voting Procedures

6.5. Other

7. Other Business

S. Kara, M. Davies

Minutes: Summary of Main Discussion Points

1. Welcome, Background, and Purpose

The co-chairs stated that purpose of this meeting was to discuss the proposals for new cross-STC CWGs and cross-STC KNs made in Nantes.

2. Procedure for establishing new CWGs

- The procedure for establishing new Cross-STC CWGs was reviewed and no changes were requested.
- The idea for using a similar checklist for establishing cross-STC KNs was introduced.

3. Decision on CWGs proposed in Summer 2014

- The two CWGs proposed in Nantes were:
 - Composite Material Parts Manufacturing
 - Bioinspired Manufacturing
- These were discussed. The high interest level of the CIRP audience for both proposals was noted. A motion was made to start each of the groups and the motion was accepted.

4. Discussion of KN proposals in Summer 2014

- The lower level of audience interest in the proposals – compared to the cross-STC CWGs was noted by the votes received.
- It was suggested that the cross-STC KN proposals would be stronger if they had already demonstrated STC support.
- It was stated that the goal of the cross-STC KNs was to ensure that CIRP should not miss the opportunity to make contributions on “hot topics” of cross STC interest.
- Review of the cross-STC KNs will be done by assigned members of the Liaison Committee.
- It was stated that cross-STC KN, once initiated, will be assigned to a host STC that will receive progress reports and review the work on the KN.
- Because of the relatively low level of audience interest in the Nantes proposals, it was decided not to initiate any of them at this time, although the authors were commended for their proposals and encouraged to further develop them either within the STCs or as a further developed cross-STC proposal following the new checklist that will become part of the new procedure for proposals.

5. Procedure for proposing new cross-STC KNs

- In the interest of having well-developed proposals for cross-STC KNs, the co-chairs presented a “Checklist for introducing cross-STC KN proposals” similar to the checklist used for starting a CWG. The checklist had two main goals: (1) to establish cross-STC interest prior to presentation of the idea at the GA; (2) to establish that CIRP has enough of a history working in the area to warrant a KN coming from CIRP.
- The procedure and timeline for making a new cross-STC KN paper proposal at the GA was proposed as follows.

From 2016 onwards, the proposals for cross-STC KNs and CWGs follow essentially the same procedure.

1. Complete the checklist and submit to cross-STC chairs (May 1)

2. Cross-STC chairs share checklists with Liaison Committee for feedback (May 1- June 1)
3. Proposals viewed favorably by the Liaison Committee are given short presentations in the GA cross-STC meeting and feedback from the entire CIRP community is solicited.
4. Decisions about which KNs and CWGs should move forward is made in Paris and at this time a host STC is assigned to the proposals that will proceed (February)

Following 4, all updates are given in the host STC and not the cross-STC meeting.

This was what we discussed in Paris. So for the minutes it is ok. But from the practical point of view we should strengthen the position of the cross STC chairs and only involve the Liaison Committee in case of too many proposals. I will address this in my introduction as well.

- Once initiated, all cross-STC KNs must meet a 2-3 year publication requirement to ensure that work occurs in a timely fashion.
- There was significant discussion about how a cross-STC KN proposal should establish STC support.
 - It was suggested that the STC chairs allocate time for cross-STC KN discussion within their STCs.
 - The time required for presentation of cross-STC KN ideas within the STCs to establish their support was a concern.
 - The repetition of cross-STC KN proposals in multiple STCs was also a concern.
 - It was stated that a cross-STC KN had to show support from at least two STCs in order to be considered “cross-STC”.
 - Another suggestion was to review the proposals made at the GA at the Paris meeting and determine a host STC for the successful proposals at that time.
 - My suggestion: The initiator of a new cross STC keynote paper proposal must define minimum two STCs already on the checklist (until May). The STCs concerned are then aware of the proposal and can have a discussion on their STC meeting at the GA. The only presentation will be given in the cross STC meeting at the GA, accessible for everyone. The final decision is made in Paris next year.
- The number of slots for cross-STC KNs will be determined by the Liaison committee.
- The idea for a “home” or “host” STC was further clarified – while a cross-STC KN does by nature attract interest from more than one STC, the “host” STC is required to eliminate the need for duplicate presentations.
- It was suggested that the updates on the cross-STC KNs could rotate through the interested STCs.
- There was discussion about what should be done in the interim for South Africa
 - Consensus was that the checklists be sent to the cross-STC chairs and discussions be done through email prior to finalizing the agenda for the South Africa GA.
 - It was stated that it was important to make the timeline known to CIRP members so that the review process is transparent.

Future Structure of Cross-STC Meeting/Group

- The co-chairs stated the need for a permanent secretary for the cross-STC meeting.
 - Cross-STC secretary should be a CIRP member.
 - It was decided that the cross-STC secretary position could roll through the members of the Liaison Committee.
- Cross-STC Chair terms were discussed and a term of two years was eventually decided upon.
- Open attendance, not restricted to CIRP members only, at the cross-STC meeting at the GA was decided upon.
- Voting at the cross-STC is not formal but rather is intended to get a general impression of the level of support for each proposal. Thus, no ballots will be required for the voting.
- Final decisions will be made at the cross-STC meeting in Paris consisting of the Liaison Committee members.

--- MEETING ADJOURNED ---