Aveiro, 4 May 2016

Subject │ Minutes of the Sixth Management Committee Meeting of COST Action IC1301 "Wireless Power Transmission for Sustainable Electronics (WiPE)"

Aveiro, Portugal
4 May 2016

1. **Welcome to participants**

   A welcome speech was given by the Action Chair to welcome the MC's to the meeting, we had 23 participants including MC Chair, MC members and eligible MC substitutes.

2. **Adoption of agenda**

   The agenda for the sixth meeting was presented and the MC's were asked to propose new items to be discussed.

3. **Approval of minutes and matters arising of last meeting**

   The minutes from the last meeting were already voted by e-mail and were just confirmed here.

4. **Update from the Action Chair**

   The status of Action, including participating countries, were presented to the MC Members and the actual status is:

   Number of signatories: 27 + 2 intended
   Number of non-COST members: 3
   Number of COST country entities (institutes, etc.) currently participating: 55
   Number of non-COST entities (institutes, etc.) currently participating: 0

   Number of MC Members: 55

   The STSM status was also presented, based on the information from Prof. Zbynek Raida who is our STSM committee chair.

The STSM already approved in the budget were presented and a request for new applications was asked for:

During the last period we had already 3 STSM running, and we have 5 to run until the end of the year.

Everyone was encouraged to disseminate and make their students apply;

The committee was informed that a bi-monthly newsletter is running and inputs were requested.

5. New Member request

University of Florida (Prof. Jenshan Lin) request to join our action, the MC Chair present this request and ask for a vote. Voting occurred as follows:
- In favour - 23
- Against - 0
- Abstain - 0

6. Sponsoring of special sessions at conferences/workshops

The MC Chair informed about our budget since the last meeting, and the planned actions for next year. The conferences that were supported or that can be supported are:

- EuCAP 2016 in Davos - Done and paid
- WPTC 2016 in Aveiro - Done and to be paid
- EuMW 2016 in London - To be executed
- We can accommodate another conference participation, requests have been made to ask for proposals.

7. Proposal to achieve more social awareness of our activities

The MC Chair start a discussion on how to increase the awareness for WPT themes within the society, and ask for proposals on how to do it. Some of the proposals include:

- Dissemination budget was explained and proposal for produce a cartoon/comics on WPT topic
- Video sharing, youtube channel, facebook we should ask for contributors,
- Cloud for document share
- Marketing service campaign (Google results):
- Create a contest to PhD/Postdoc/student in general to explain what is WPT and explain it to common people

8. STSM Envolement

A proposal to make papers that result from STSMs available on COST website was made, and also ask them to participate in meetings showing their outcomes

9. Women in WPT award

Chiara Mariotti and Sara Amendola were the last awardess;
A request was made to promote this award further to women

10. WG participation

In order to expedite the information from the WG's a proposal to create a google form on the WPT activities was proposed, this will be implemented soon.

Follow-up of MoU objectives

    a.   An update from the working groups was given, following the proposal from the action chair in the Graz meeting of the creation of a position/white paper in the sense that at the end of each year the COST members have an idea of the main driving research and industrial areas in each of the working groups.

    b.   The actual status of the WG's is:

WG1: Far-field WPT systems

Leader:	Prof. Alessandra Costanzo (University of Bologna, Italy)
Co-Leader:	Dr. Ana Collado (CTTC, Spain)

WG2: Near-field WPT Systems

Leader:	Mr. Jan Kracek (Czech Technical University, Czech Republic)
Co-Leader:	Dr. George Goussetis (Heriot-Watt University, UK)

WG3: Novel Materials and Technologies

Leader:	Prof. Hendrik Rogier (Ghent University, Belgium)
Co-Leader:	Prof. Maurizio Bozzi (University of Pavia, Italy)

WG4: Applications

Leader:	Mr. Pierre Nicole (Thales, France)
Co-Leader:	Prof. Luca Roselli (University of Perugia, Italy)

SWG 4.1 – Space Applications

Leader:	Prof. Alexandru Takacs (LAAS, France)

SWG 4.2 – Automotive systems

Leader:	Dr. Mohamed Cheick

SWG 4.3 – Home Appliances

Leader:	*No definition yet.*

SWG 4.4 – Health Issues

Leader:	Prof. Dominique Schreurs (KU Leuven, Belgium)

SWG 4.5 – Agriculture & Environmental Sensing Applications

Leader:	Prof. Aggelos Bletsas (Crete University, Greece)

WG5: Regulation and Society Impact

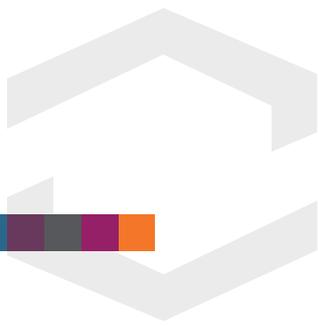| Leader:	Mr. Winfried Bilgic (IMST, Germany)
Co-Leader:	Dr. Hubregt Visser (IMEC, Netherlands)

A White paper was assembled from the committee and submitted on April 2016 to Nature Energy
Share simple circuits - H. Visser will share soon some simples circuits to students

11. Course Syllabus Proposal

Build up a Sylabus on WPT (proposal from HIT-Israel and HBV-Norway: Prof. Motti Haridim is the contact point)
    - Ask for contributors/interested to manage/contribute to this topic
    - Medhi explain the initial idea and what is expected next
    - Several contributions from MCs are expected by e-mail

12. Other Issues

The MC Chair ask to fill in the form from partners of COST
    - Request to everyone to fill in the form, even researchers belonging to MC not filled yet
Ask for contributions for COST IC1301 report (Deadline: End of May 2016)

13. What's Next? discussion

A discussion was strted about the future steps of WiPE. Some proposals include:

A. Mentioned that a lot of researchers are dedicated either to PHY layer or then to upper layers and few on the middle layers (MAC; PHY-MAC; etc.)
B. Topics thrown to the table/discussion:
    - internet of space
    - hybridisation of WPT and Wireless connectivity technologies for IoT/WSN applications
    - internet of things: popular buzzword?, internet of everything will merge all the themes relevant
    - Ihsan lami referred 2 projects they are running on IoT not related with technology and/or communications;
    - internet of things and smart systems (electronics on the things side)
    - 5G is going to mmWave and THz; Comms or WPT or both?
    - Electronics, going back to basics, circuit level, antenna theory, etc ...

14. Venue for the MCM8 TBD proposals

A. Kosice, Slovakia
B. Eindhoven, Netherlands
C. Proposals will be shared by email and voting process will occur in the same fashion
D. Still receiving proposals ... thus, the interested ones can submit it in a week timeframe

15. Summary of MC decisions

The Action Chair made a final summary of the meeting.

16. Closing

The meeting was closed around 16:00