



IC1301 -WiPE

Wireless Power Transmission for Sustainable Electronics

**Joint MC/WG Meeting
(MCM6)**

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Aveiro, Portugal



Agenda

1. Adoption of agenda
2. Update from the Action Chair
 - a. Status of Action, including participating countries
 - b. Action budget status
 - c. STSM status and new applications
3. Promotion of gender balance and of Early Stage Researchers (ESR)
4. Update from the Grant Holder
5. Follow-up of MoU objectives
 - a. Progress report of working groups
6. Scientific planning
7. AOB
8. Location and date of next meeting

Update from the Action Chair

2. Update from the Action Chair

a. Status of Action, including participating countries

Number of signatories: 29

Number of non-COST members:3

COST International Partner Countries

Institution Name	Country
Georgia Institute of Technology	United States of America
Japan Aerospace Exploration Agency	Japan
Tsinghua University, Beijing, China	China

3rd Grant Period Budget Analysis

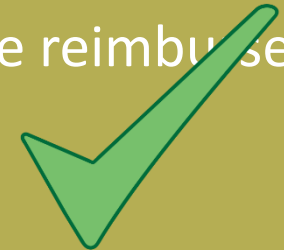
EUCAP

- Number of participants to be reimbursed: 8
- Travel costs: 7000 €
- Davos – Switzerland



WPTC

- Number of participants to be reimbursed: 5
- Travel costs: 3 500€
- Aveiro – Portugal



European
Microwave
Conference

- Number of participants to be reimbursed: 5
- Travel costs: 3 500€
- London, UK

TBD

- Number of participants to be reimbursed: 5
- Travel costs: 3 500€
- TBD

3rd Grant Period Budget Analysis

April 2016-April 2017

Instrument			Quantity	Budget
Meetings				
MCM 6	Aveiro	Travel Costs	30	21 500 €
		Meeting support grant		3 000 €
		External Invited experts	3	4 800 €
MCM 7	Aalborg	Travel Costs	30	21 500 €
		Meeting support grant		3 000 €
		External Invited experts	3	4 800 €
MCM 8	TBD	Travel Costs	30	21 500 €
		Meeting support grant		3 000 €
		External Invited experts	3	4 800 €
		WPTC 2016	5	3 500 €
		EUMWEEK 2016	5	3 500 €
		TBD	5	3 500 €
Total Meetings				98 400 €
Training School				
STSM			8	16 000 €
OERSA				5 000 €
Science Expenditure				117 400 €
Secretariat (<15%)			15,0%	17 610 €
TOTAL				135 010 €



STSM and Marketing

STSM

- 8 grants
 - 16 000€

Marketing

- COST IC1301 WIPE Website
 - Cost: 1000 €
- COST IC1301 WIPE (flyers)
 - Cost: 1000 €



Update from the Action Chair

2. 2016 STSM status and new applications

◇	01_Niotaki	7 files
◇	02_Mariotti	7 files
◇	03_Bjorninen	4 files
◇	04_Schneider	7 files
◇	05_Daskalakis	7 files
◇	06_Haridim	8 files
◇	07_Fantuzzi	7 files
◇	08_Belo	7 files
◇	09_Mrnka	7 files
◇	10_Kenny	7 files
◇	11_Amendola	7 files
◇	12_Buendia	7 files
◇	13_Palazzi	7 files
◇	14_Collado	6 files
		14 folders - 0 files

Files		Sort by name ▼
◇	01_Loss	6 files
◇	02_Comite	5 files
		2 folders - 0 files

Update from the Action Chair

Newsletter of COST Action WIPE - Wireless Power Transmission for Sustainable Electronics



Newsletter 6

WIPE - Wireless Power Transmission for Sustainable Electronics

Women in Wireless Power Transfer (WPT) Award

Initiative to encourage and sustain women, especially young researchers, to actively participate in emerging technology research fields, as the Wireless Power Transfer.

AWARD consists of ***recognizing and providing financial assistance to participate to the IC1301 WiPE COST meetings and schools.***

Up to now: ***Winner Chiara Mariotti U. Perugia***
Sara Amendola,



Follow-up of MoU objectives

a. Progress report of working groups

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: Dr. Hubregt Visser (IMEC, Netherlands)

Follow-up of MoU objectives

a. Progress report of working groups

White Paper

Submitted to the
Nature Energy Journal



European Contributions for Wireless Power Transfer Technology

Nuno Carvalho¹, Apostolos Georgiadis², Alessandra Costanzo³, Nobby Stevens⁴, Jan Kracek⁵, Luís Pessoa⁶, Luca Roselli⁷, Fortunato Dualibe⁸, Dominique Schreurs⁹, Senol Mutlu¹⁰, Hendrik Rogier¹¹, Huib Visser¹², Alexandru Takacs¹³, Paolo Rocca¹⁴, Antonis Dimitriou¹⁵, Jerzy Michalski¹⁶, Zbynek Raida¹⁷, Smail Tedjini¹⁸, Wout Joseph¹⁹, Yvan Duroc²⁰, John N. Sahalos²¹, Aggelos Bletsas²², Theodoros Samaras²³, Sotiris Nikolettseas²⁵, Theofanis Raptis²⁴, Alírio Boaventura¹, Ana Collado², Riccardo Trevisan³, Ben Minnaert⁴, Milan Svanda⁵, Mário Pereira⁶, Mauro Mongiardo⁷, Grigory Popov⁸, Ning Pan⁹, Herve Aubert¹³, Federico Viani¹⁴, Stavroula Siachalou¹⁵, Przemyslaw Kant¹⁶, Gianfranco Andia-vera¹⁹, Anastasis C. Polycarpou²², Pedro Cruz¹, Milos Mazanek⁵, Hugo Santos⁶, Hugo Garía-Vázquez⁸, Sofie Pollin⁹, Lorenzo Poli¹⁴, Daniel Belo¹, Jan Machac⁵, Vítor Tavares⁶, Papy Ndungidi⁸, Giacomo Oliveri¹⁴, Ricardo Fernandes¹, Henrique Salgado⁶, Véronique Moeyaert⁸, Andrea Massa¹⁴, Ricardo Gonçalves¹, Pedro Pinho²

Follow-up of MoU objectives

a. Progress report of working groups

Share Simple Circuits on the NET
Create a database of circuit design for WPT ...

To be Done

Follow-up of MoU objectives

a. Progress report of working groups



WPT- Wireless Power Transmission

ECTS credits 10
HIT credits: 3.5

Teaching language: English

Course Description

This course provides an introduction to wireless power transmission systems. Characteristics, components, integration and applications of WPT systems will be presented.

Learning Outcomes

Upon completion of this course the student will have a clear understanding of WPT technologies, system components, and should be able to:

- Develop and analyze system requirements
- Verify different Wireless Power Transfer techniques
- Design a Wireless Power Transfer system
- Analyze system feasibility and performance

Follow-up of MoU objectives

a. Progress report of working groups

Participating Countries

COST Member States

- Austria
- Belgium
- Cyprus
- Czech Republic
- Denmark
- Finland
- France
- FYR Macedonia
- Germany
- Greece
- Ireland
- Italy
- Malta
- Netherlands
- Norway
- Poland
- Portugal
- Romania
- Serbia
- Slovakia
- Spain
- Sweden
- Switzerland
- Turkey
- United Kingdom



Non-COST Countries

- Israel

Follow-up of MoU objectives

The screenshot shows the WIPE website interface. At the top, there is a logo for WIPE COST IC1301 and a navigation menu with links for News, About, Organisation, Working Groups, Meetings, Training Schools, STSM, Results, and User Area. A left sidebar contains a list of navigation options: Participating Countries, WiPE Partners, Form: Characterization of WiPE Partners, What is COST, What is COST WIPE, and Documents. The main content area features a decorative border with a pattern of stylized fish and flowers. Inside this border, a large white box contains the title "Characterization of WiPE partners" and a red asterisk indicating required fields. Below this, a form is displayed with four input fields: "Name of the Contact Person *", "e-mail *", "Company/Institution *", and "Type of Entity *". The "Type of Entity" field includes a radio button next to the option "University".

WIPE
COST IC1301

News About Organisation Working Groups Meetings Training Schools STSM Results User Area

Participating Countries
WiPE Partners
Form: Characterization of WiPE Partners
What is COST
What is COST WIPE
Documents

Characterization of WiPE partners

* Required

Name of the Contact Person *

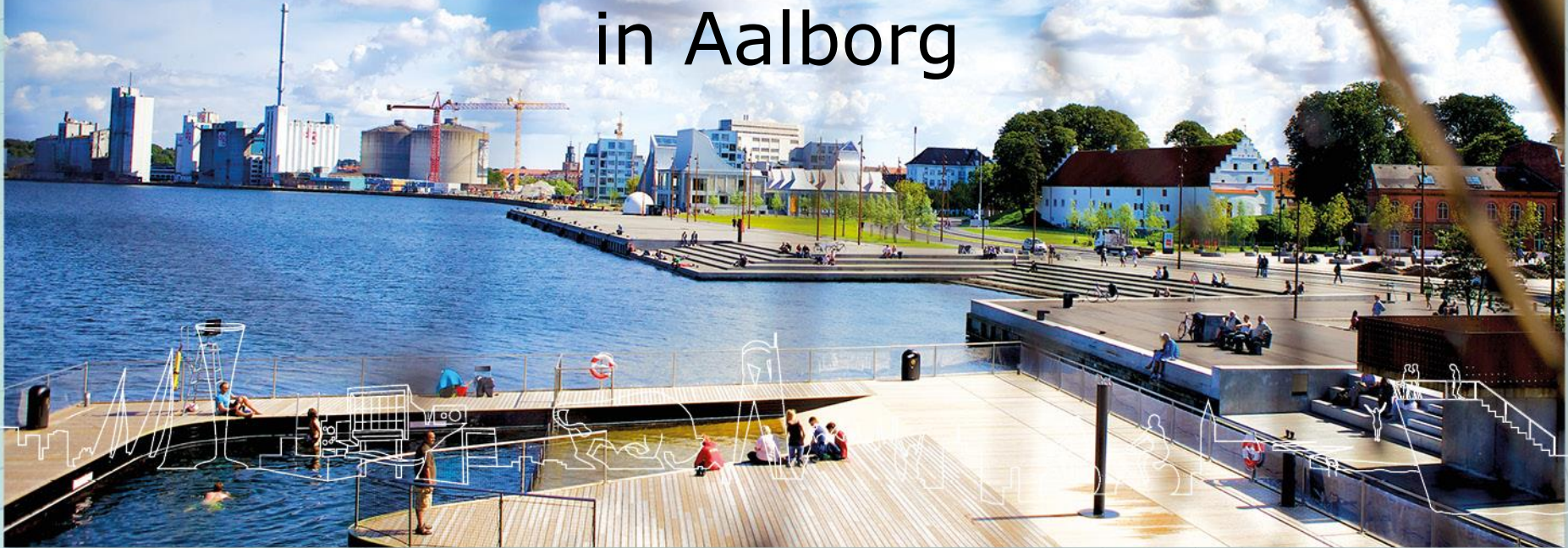
e-mail *

Company/Institution *

Type of Entity *

University

Welcome to COST IC1301 7th Management Committee/ Working Group Meeting and Workshop in Aalborg



- ❖ Proposal by Associate Professor, Jan Hvolgaard Mikkelsen, Aalborg University, DENMARK
- ❖ Proposed [date/month, year]

Aalborg – the conference city



- ❖ Denmark's 4th largest city
- ❖ Hosting various international conferences every year
- ❖ Local and experienced Visitor & Convention Bureau



Transport & Travel



- ❖ More than 30 daily flights to/from Copenhagen
- ❖ Daily flights to/from **Amsterdam, Frankfurt, Istanbul** among others connecting Aalborg to the rest of the world

Infrastructure



- ❖ Airport is located a short 10 minute drive from the city and 20 minutes by bike!

Infrastructure



- ❖ A small big city
- ❖ Everything within walking distance



Aalborg University



- ❖ Venue has yet to be determined.
- ❖ Proposal – The CREATE Building located on the newly renovated water front in close proximity to the city center

Hotels



- ❖ 1,700+ rooms in the city centre within walking distance
- ❖ A range of choices – from classical charm to renowned international hotel chains
- ❖ Prices typically range from €75 - €145

We hope to see you in Aalborg in **2016**



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