



Cooperative Radio Communications for Green Smart Environments

7th Management Committee &
Technical Meeting and
Workshop
Ilmenau, 28-31 May 2013



Prof. Narcis Cardona
Univ. Politecnica Valencia
iTEAM Research Institute



1. Opening formalities
2. Adoption of the Agenda
3. Approval of the Minutes of the last MCM
4. Status of the Action.
5. Report from Grant Holder & Budget for 3rd Year Term
6. STSMs status and other ESR Grants
7. Presentation and discussion of technical documents
8. Reports from Group Chairs
9. WG Chairs election for the next period
10. Liaisons to other COST Actions, projects and bodies
11. Future Training activities (TS and Tutorials)
12. Dissemination activities, Newsletter
13. Future meetings
14. AOB
15. Close of Meeting

3. Approval of the Minutes of the last MCM



Minutes are available under ...\\official documents and after MC approval also under ...\\meetings

The PDF file contains hyperlinks to WGs Minutes and other documents like reports from liaisons rapporteurs, etc.

--> Approval?

ATTENDANCE LISTS:

Please sign the

THREE attendance lists for the MCM
(one per day)

&

ONE attendance list for
EVERY WG/SWG/TWG you attend

&

Workshop / Tutorial attendance lists if you attended

Registration receipts are available at reception desk

Number of signatories countries: 28

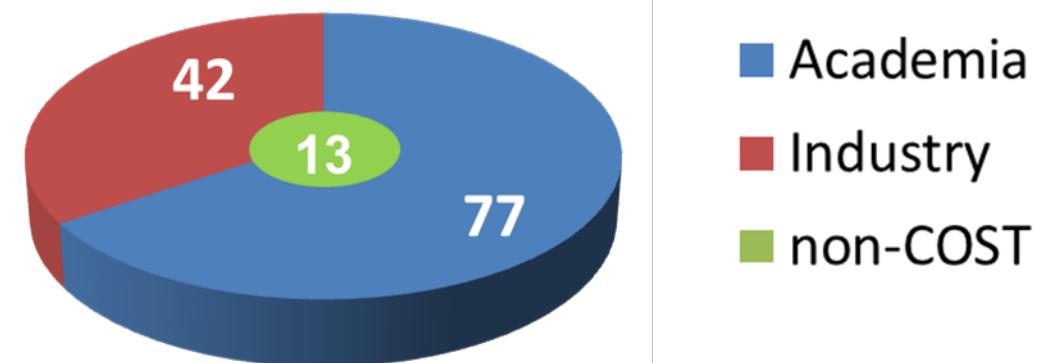
Number of COST country entities (institutes, etc.) currently participating: 129

Number of non-COST countries: 7*

Number of non-COST entities (institutes, etc.) currently participating: 13 (+1)

Number of MC Members: 52 (+ Chair)

Number of registered experts so far: 461

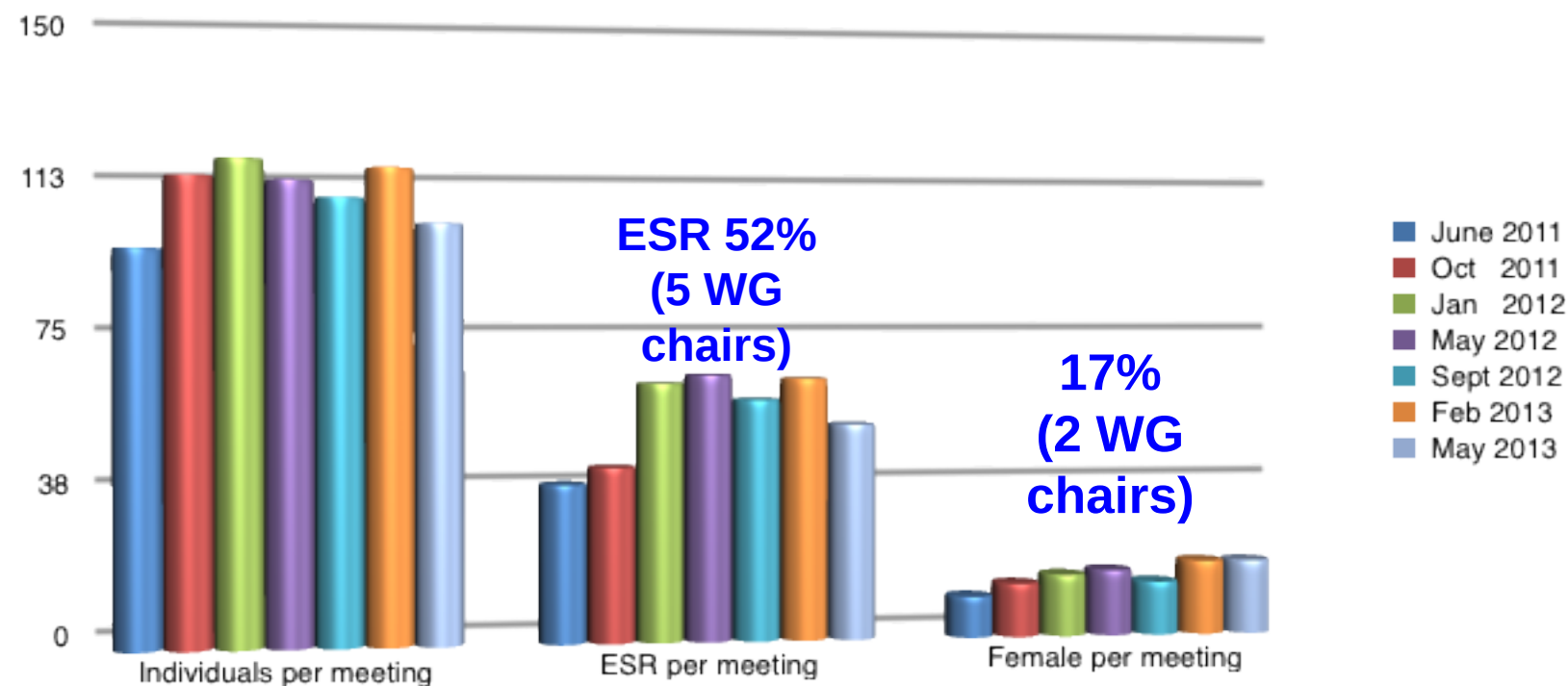


Action participants



22 new participants @ Malaga meeting

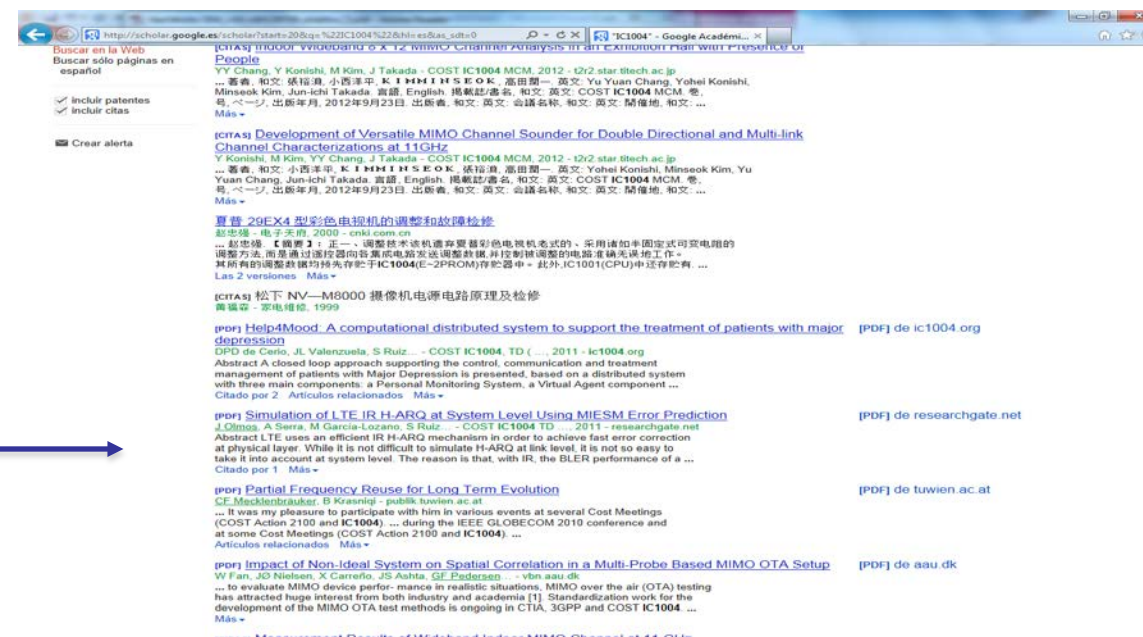
Total registrations by April' 13			
Institutions	Individuals	ESR	Female
114	461	>230	65



Use of COST Instruments

Activity (No.)	Year 1+2
MC/WG Meetings	7
STSMs	17
Training Schools	4
Workshops or Conferences	2
Joint Publications	100

281 citations of
“COST IC1004”
(Google Scholar)



Report of the second year term:

COST
Domain Committee "Information & Communication Technologies"

COST Action IC1004
Start Date 19 May 2011

Cooperative Radio Communications for Green and Smart Environments

**MONITORING
PROGRESS REPORT**

Reporting Period: from 19th May 2011 (start date of the Action)
to 9th May 2013 (reporting date)

This Report is presented to the relevant Domain Committee.
It contains three parts:

I. Management Report prepared by the COST Office/Grant Holder
II. Scientific Report prepared by the Chair of the Management Committee of the Action
III. Previous versions of the Scientific Report; i.e., part II of past reporting periods

The report is a "cumulative" report, i.e. it is updated annually and covers the entire period of the Action.

Confidentiality: the documents will be made available to the public via the COST Action web page except for chapter II.D. Self evaluation.

Based on the monitoring results, the COST Office will decide on the following year's budget allocation.

- 0 7 Technical meetings, 470 TDs discussed
- 0 17 STSM completed
- 0 Organisation of 2 Joint Workshops
- 0 Organisation of 4 Training Schools, one joint
- 0 6 Tutorials
- 0 Position Paper on Horizon2020
- 0 Participation to Conferences, Special Sessions
- 0 Newsletter of the Action (4 issues)
- 0 Journal Special Issue (Springer)
- 0 Liaisons to URSI, 3GPP, ETSI, CTIA, Greentouch, IC905, VISTA, Earth, Greenet, Metis, Lexnet, ...
- 0 >100 joint publications...

WORKSHOP:

2nd IC1004 Joint Workshop with FP7 GREENETS on
"Self Organising Networks Algorithms for Energy Efficiency"

28 May 2013; TU Ilmenau, Germany

Chairs: Thomas Kuerner & Narcis Cardona

Attended by 50 persons

TUTORIAL:

"Compressed Sensing: From Theory to Practice "

Speakers: Prof. Dr.-Ing. G. Del Galdo,
Dr.-Ing. F. Römer,
M.Sc. A. Lavrenko

Attended by 45 persons

OFFERS for coming meetings? Contact chair@ic1004.org

Current Non-COST Members (13):

- ComSearch (US); Motorola Mobility (US); NIST (US); NICT (JP); Tokio Institute of Technology (JP); JAIST (JP); Tongji University (CN); BUPT (CN); ABP (CN); ICESI (CO); CRC (CA); Univ. of Montenegro (ME)*; La Trobe Univ.**(AU);

1 Application in progress:

[status: approved by MC, pending of CSO final approval]

- China, Beijing Jiaotong University (BJTU)

IC1004 follows the rules of COST as in the Vademecum provided by COST Office (www.cost.eu)

Nevertheless, due to the Action size, some internal rules have been approved in order to properly organise meetings and activities:

1. Registration / De-registration:

“Any registered institution has access to the Member’ s Area of the IC1004 Web site. Institutions not contributing with at least one TD per year period (two TDs per year period in the case of non-COST) are denied access from Member’ s Area. If still interested, they can present a TD to any coming meeting and get re-registered”.

(Approved at 2nd MCM)

“Any registered institution has access to the Member’s Area of the IC1004 Web site. Institutions not contributing with at least one TD per year period (two TDs per year period in the case of non-COST) are denied access from Member’s Area. If still interested, they can present a TD to any coming meeting and get re-registered”. (Approved at 2nd MCM)

- 6 Institutions have no contributed at all after 6 meetings (de-registered)
- 11 have no contributed but less than one year registered (kept until May)
- 3 among MC members’ institutions have no contributed
- All non-COST Institutions have accomplished the rule
- Average per (active) Institution so far: 4,6 TDs*

3. MC Substitutions

The substitutions of MC members to a meeting, either requiring National Coordinator nomination or not, have to be received by IC1004 Secretary at least **2 weeks** prior to the meeting start date.

(Approved at 2nd&3rd MCM)

Second Year term (June 1, 2012 - May 31, 2013)

Grant: 177 675 EUR

July ' 12	First Year YFR sent to COST
Oct ' 12	First Year YFR validated by COST
Jan ' 13	First Year YFR duly signed by all parts
Dec ' 12	EC Report sent with all expenditures till
Dec 31st	
Jan ' 13	EC Report validated by COST
Feb ' 13	First installment (65% of Grant)
Mar ' 13	IFR to be sent to COST
Apr ' 13	IFR to be validated
May ' 13	Second installment (35% of Grant)

Second Year term (June 1, 2012 - May 31, 2013)

Type of expenditure	Budget	Already spent	To be spent	Budget Left
1. Meetings	€ 89.250,00	€ 58.133,22	€ 14.120,49	16.996,29 €
2. Workshop Supports	3.000 €		€ 3.600	- 600,00 €
3. STSMs	€ 19.000,00	€ 9.940,00	€ 4.200,00	4.860,00 €
4. Training schools	€ 37.500,00	€ 13.848,47	€ 14.040,00	9.611,53 €
5. Dissemination/ Publicat.s	€ 4.750,00	€ 1.500,00	0,00 €	3.250,00 €
6. Others (bank fees)	€ 1.000,00	€ 377,10	€ 349,40	273,50 €
Secretariat - 15% of sum(1:6)	€ 23.175,00	€ 21.045,33	€ 1.848,00	281,67 €
TOTAL	€ 177.675,00	€ 104.844,12	38.157,89	34.672,99 €

Available for this MCM: 34.117,82 EUR

Travel and Reimbursement issues

The **new Online Travel Reimbursement Request** is available in e-COST since 19 September 2012.

The eligible participants have to:

Step 1/5 --> Accept or decline the invitation

Step 2/5 --> Decide whether you wish to claim the reimbursement or not

Step 3/5 --> Fill in your online Travel information and expenses and upload the supporting documents (i.e. plane ticket, boarding pass, train or coach ticket)

Step 4/5 --> Select the bank account you would like to get reimbursed

Step 5/5 --> Submit the claim

Final step: download the travel reimbursement form, print it and take it with you at the Meeting ☐ handle to Giorgia

Travel and Reimbursement issues

Reimbursements for this MCM: 36 (MC or official substitutes) entitled + 3 speakers

Reimbursement will be based on COST rules.

The MC members accept decreasing the accomodation rate for this meeting to 90€ per night.

(Voted off-line by April 17th, all votes in favour of the proposal)

- In case you have already filled and downloaded your reimbursement form, please give it to the Secretary (Giorgia) **during** the meeting and send the travel copies in PDF format no later than **June 7th, 2013**
- In case you prefer to send it by POST, please do it no later than **June 7th, 2013**

Third year term budget (June 1st 2013 - May 31 , 2014)

Type of expenditure	Proposed	APPROVED
1. Meetings and WS	106,200	102,800
2. STSMs	19,000	13,400
3. Training schools	34,700	36,000
4. Dissemination/ Publicat.s	4,750	1,500
5. Others	1,000	1,000
Secretariat - 15% of sum(1:6)	25,252	23,200
TOTAL	193,602 €	177,900 €

- 12 STSMs completed during the second year term

Ms.Sato Telemi (T.U.Ilmenau); Mr.Joerg Nucklet (TUB); Josep Colom (TUV); Evangelios Melios (UoB); Claude Oestges (UCL); Wei Fan (Aalborg); Abbas (Lund); Jansen (TUBS); Kulakowski (AGH); Mani (ParisTech); Vitucci (UniBO); Werthmann (Stuttgart)

14.140 € spent

- Results presented at Meetings

...and literature? Please REPORT (chairman@ic1004.org)

OPEN CALL

Procedure

applicant fulfill form at eCOST tool:

<https://e-services.cost.eu/stsm>

and sends it to Chairman and Host Institution

(6 weeks prior to the STSM start)

Evaluation

- Applications will be evaluated by Evaluation Panel including at least three among WGs Chairs.

Guidelines @ www.cost.eu

Guidelines @ www.cost.eu

Recommended IC1004: prioritise using labs, host facilities, expected outcome to IC1004, relationship with WGs objectives,....

COST IC1004 policy for the THIRD year period:

To grant (up to 10) solid STSM proposals, prioritise using labs and host facilities, clear outcome to IC1004 and relationship with WGs objectives, longer stays (up to 4 weeks), favouring a more in-depth work, ...

COST ICT Domain is providing Conference Grants for Early Stage Researchers.

- ⑩ Several calls per year. Only one or two grants assigned per call for the whole Domain actions. Only one candidacy proposal per Action and call

Criteria for IC1004 pre-selection of candidates:

- ⑩ Mention the COST IC1004 in the document (mandatory)
- ⑩ Relevance of the conference in our area
- ⑩ Relevance of the topic for the Action objectives
- ⑩ CV of the applicant
- ⑩ Activities of the Applicant' s Institution related to COST IC1004

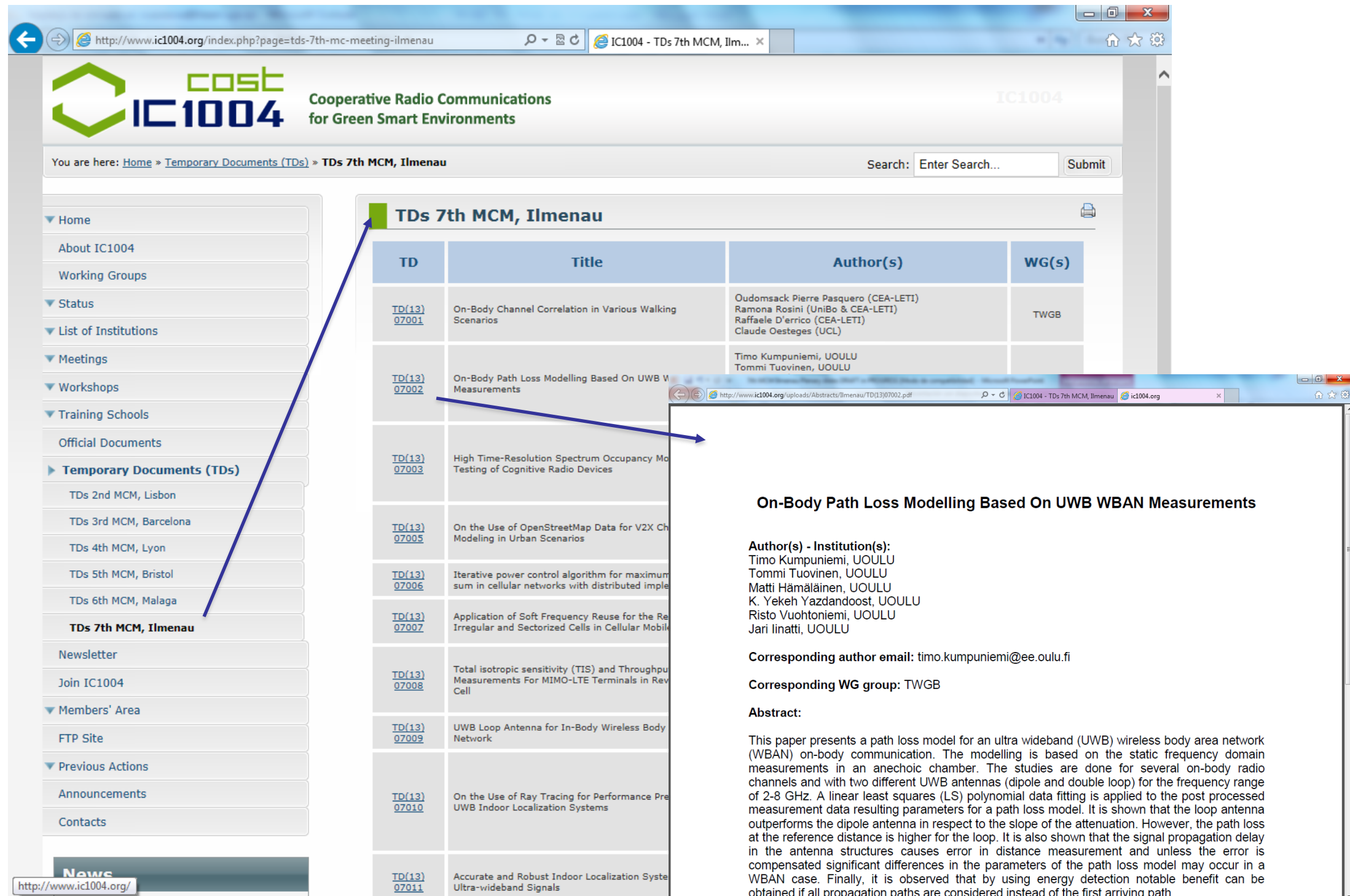
Chairman, committed by the MC, assessed by the Steering Committee has evaluated the applications received and proposed as candidate:

Mr. Wei Fan, to 2013 IEEE VTC2013-FALL; Las Vegas, USA, to present two papers:
"3D Channel Model Emulation in a MIMO OTA Setup "
"Channel Verification of SCME models in a Multi-Probe Based MIMO OTA Setup"

Objections?

- There are **56 TDs** to be presented at this MCM.
 - 60 received by the deadline
 - 4 Withdrawn: TD(13)... 04, 13, 38, 58
- **+3** Keynote speakers:
 - Prof. Dr.-Ing. Thomas Kaiser, Universität Duisburg-Essen.
“Cognitive and Software Defined Radio - Status, Challenges and Future Needs”
 - Dr.-Ing. Oliver Klemp, BMW AG
“Challenges and Opportunities of Vehicle Centric Communications”
 - Dr.-Ing. Werner Mohr, Nokia Siemens Networks,
“Future mobile and wireless communications towards 2020”

TD abstracts are open available at www.ic1004.org and full TDs under “Members’ Area”



IC1004 Cooperative Radio Communications for Green Smart Environments

You are here: [Home](#) > [Temporary Documents \(TDs\)](#) > [TDs 7th MCM, Ilmenau](#)

Search: Submit

TDs 7th MCM, Ilmenau

TD	Title	Author(s)	WG(s)
TD(13) 07001	On-Body Channel Correlation in Various Walking Scenarios	Oudomsack Pierre Pasquero (CEA-LETI) Ramona Rosini (UniBo & CEA-LETI) Raffaele D'errico (CEA-LETI) Claude Oesteges (UCL)	TWGB
TD(13) 07002	On-Body Path Loss Modelling Based On UWB WBAN Measurements	Timo Kumpuniemi, UOULU Tommi Tuovinen, UOULU	
TD(13) 07003	High Time-Resolution Spectrum Occupancy Monitoring of Cognitive Radio Devices		
TD(13) 07005	On the Use of OpenStreetMap Data for V2X Channel Modeling in Urban Scenarios		
TD(13) 07006	Iterative power control algorithm for maximum sum in cellular networks with distributed implementation		
TD(13) 07007	Application of Soft Frequency Reuse for the Reuse of Irregular and Sectorized Cells in Cellular Mobile Networks		
TD(13) 07008	Total isotropic sensitivity (TIS) and Throughput Measurements For MIMO-LTE Terminals in Rev. Cell		
TD(13) 07009	UWB Loop Antenna for In-Body Wireless Body Area Network		
TD(13) 07010	On the Use of Ray Tracing for Performance Prediction of UWB Indoor Localization Systems		
TD(13) 07011	Accurate and Robust Indoor Localization Systems for Ultra-wideband Signals		

On-Body Path Loss Modelling Based On UWB WBAN Measurements

Author(s) - Institution(s):
Timo Kumpuniemi, UOULU
Tommi Tuovinen, UOULU
Matti Hämäläinen, UOULU
K. Yekeh Yazdandoost, UOULU
Risto Vuoltoniemi, UOULU
Jari Linatti, UOULU

Corresponding author email: timo.kumpuniemi@ee.oulu.fi

Corresponding WG group: TWGB

Abstract:
This paper presents a path loss model for an ultra wideband (UWB) wireless body area network (WBAN) on-body communication. The modelling is based on the static frequency domain measurements in an anechoic chamber. The studies are done for several on-body radio channels and with two different UWB antennas (dipole and double loop) for the frequency range of 2-8 GHz. A linear least squares (LS) polynomial data fitting is applied to the post processed measurement data resulting parameters for a path loss model. It is shown that the loop antenna outperforms the dipole antenna in respect to the slope of the attenuation. However, the path loss at the reference distance is higher for the loop. It is also shown that the signal propagation delay in the antenna structures causes error in distance measurement and unless the error is compensated significant differences in the parameters of the path loss model may occur in a WBAN case. Finally, it is observed that by using energy detection notable benefit can be obtained if all propagation paths are considered instead of the first arriving path.

WGs sessions Schedule

	Wed 29th	TD#	Room	Thu 30th	TD#	Room	Fri 31st	TD#
8:30	Registration		B.Hall	WGB	1,2,9,44,DISC	B.Hall	WG1	28,30, 35
9:00	MC PLENARY		Weimar	WGO	41, 47, 49 ,54	Weimar	SWG2.1	16, 31, 32, 36
		@Banquet Hall	Erfurt	WGI	43,48 + DISC	Erfurt	WG3	3,7,56,25
10:30			Eisenach	WGV	DISC	Eisenach		
	Coffee			Coffee			Coffee	
11:00			B.Hall			B.Hall		
	Invited Talk:	Thomas Kaiser		Invited Talk:	Werner Mohr		MC	
12:00							PLENARY	
	Lunch			Lunch				Closing 12:30
13:00	Invited Talk:	Oliver Klemp	B.Hall	WG1+3	53, 57			
			Weimar	WG2	26, 27			
14:00			Erfurt	WGO	8 + DISC			
14:30	1+2+3/WG1	23, 39/DISC	B.Hall	WG1	15, 20, 52			
	/WG2	/DISC	Weimar	WG2	14, 21, 22			
16:00	/WG3	/DISC	Erfurt	WG3	18,19,24			
	Coffee			Coffee				
16:30	WGU	5,34,45 + DISC	B.Hall	WG1	29, 60, 37			
	WGI	10,11,12	Weimar	SWG1.1	33,50,51 + DISC			
	WGV	40, 59, 17, 46	Erfurt	WG3	6, 42,55			
18:00			Eisenach					

TOPICS TO DISCUSS during WG sessions

- Election of chairs for coming two years
- Proposals for joint activities
 - Tutorials, Training Schools, etc.
- Dissemination activities
 - 2nd White paper topics
 - Send experts to STD Bodies
- Review of challenges for third year term

EURACON

European Association of
Communications & Networking

www.euracon.org

Luc Vandendorpe
EURACON President

Roberto Verdone
EURACON Secretary

...MC Plenary continues on Friday at 11:00

Attendance lists from WGs/SWGs/SIGs:
Have you signed the general attendance
list?

No signature, no reimbursement...

Plenary session
Resume at
11:00

Attendance lists from WGs/SWGs/SIGs:
Did you sign the general attendance list for
the three days?
No signature, no reimbursement...

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13. Future meetings
14. AOB
15. Close of Meeting

Disciplinary Working Groups:

- WG1: Claude Oestges, U.C.L. (BE)
- SWG1.1: Buon Kiong Lau (SE)
- WG2: Alister Burr, U.York (UK)
- SWG2.1: Jan Sykora (CZ)
- WG3: Silvia Ruiz, U.P.C. (ES) --> Roberto Verdone

Topical Working Groups Coordinator:

- TWGC: Alain Sibille, Telecom ParisTech (FR)

- Vehicular Environment, TWG-V
Alexander Paier (AT), Erik Strom (SE) → ?
- Body Environment, TWG-B
Raffaele D' Errico (FR), Kamya Yazdandoost (JP)
- Urban Environment, TWG-U
T.Jansen, Sana Salous (UK) --> Denis Rose(DE)
- Indoor Environment, TWG-I
Pawel Kulakowski (PL), Katsuyuki Haneda (FI)
- MIMO-OTA Testing, TGW-O
Gert Pedersen (DK), Wim Kotterman (DE)

Vehicular Environment, TWG-V: Alexander Paier (AT), Erik Strom (SE)

Body Environment, TWG-B: Raffaele D 'Errico (FR), Kamya Yazdandoost (JP)

Urban Environment, TWG-U: Sana Salous (UK), Denis Rose(DE)

Indoor Environment, TWG-I: Pawel Kulakowski (PL), Klaus Witrissal (AT)

MIMO-OTA Testing, TWG-O: Gert Pedersen (DK), Wim Kotterman (DE)

WG1: Claude Oestges, U.C.L. (BE)

SWG1.1: Buon Kiong Lau (SE)

WG2: Alister Burr, U.York (UK)

SWG2.1: Jan Sykora (CZ)

WG3: Silvia Ruiz, U.P.C. (ES)

Topical Working Groups Coordinator:

 TWGC: Alain Sibille, Telecom ParisTech (FR)

- Buon Kiong Lau (SE), VISTA
- Sana Salous, (UK) Vice-Chair of URSI C
- Istvan Szini (USA), CTIA
- Moray Rumney, 3GPP RAN4
- Fernando Velez (PT) IC905, TERRA
- Haibin Zhang, (NL) GreenTouch
- Luis Correia, (PT) Earth hss finished
- Narcis Cardona, (ES) METIS, FOBTV
- Roberto Verdone, Newcom#, EurACON
- Alister Burr, Diwine

Rapporteurs are kindly asked to report at plenaries and to send a short written report.

Please send your reports to Secretary by **June 7th**

Training School(s):

First IC1004 Training School: “Vehicular Connectivity”

May 21-23, 2012, Vienna; 45 registered // 20 grants

Joint IC1004-WiserBAN Training School: “Wireless Body Area Networks”

June 4-6, 2012, Bologna; 50 registered

Third IC1004 Training School: “Propagation Measurement, Modelling, and OTA-Emulation”

November 12-14, Ilmenau (Germany); 28 attended, granted

...

4th IC1004 Training School (given last week, THANK YOU !)

“TOOLS FOR COOPERATIVE COMMUNICATIONS”

(join with DIWINE project)

- Venue: Prague
- Dates: 20-22 May 2013
- Organisers: Jan Sykora, Alister Burr, Silvia Ruiz
- Attendees: **33** students

IC1004 support: Trainers travel costs, 25 grants for PhD and ESRs
+ organisational support

IC1004 / Newcom# Training School

“Fundamental Research Through Experimentation ” (preliminary)

- Venue: Barcelona (CTTC premises)
- Dates: 25-27 or 27-29 November 2013
- Organiser: Miquel Payaro (CTTC)
- Duration: 3 or 4 days
- Attendees: max 60 students
- 50% lectures, 50% lab sessions
- Lecturers: part from IC1004, part from Newcom#.
- Topics: channel characterisation, PHY layer, Flexible interfaces, IoT applications

IC1004: Trainers travel costs, 25 grants for PhD and ESRs, organisational support = 2000 EUR

Newcom#: tbd (normally, organisational support = 3000 EUR) plus logistic organisation

6th IC1004 Training School

“SAR, EM exposure & related issues” (Preliminary title)

Joint with LExNET FP7 project

Venue: Paris (Telecom Paristech)

Dates: 3 days on week 5 or 6 (Jan/Feb 2013)

Organiser: Alain Sibille (Telecom Paristech)

Attendees: 30 - 35 students

<http://www.ic1004.org/training-schools>

IC1004 support: Trainers travel costs, 25 grants for PhD and ESRs, organisational support (as approved in 3rd Year Term Budget)

Short Course at EuCAP 2014

“Propagation and channel modelling for 4G” (Preliminary title)

Venue: The Hague (Netherlands)

Dates: 5 / 6 April 2014 (@ EuCAP conference)

Proponent: Claude Oestges, Thomas Kuerner

Attendees: 30 - 35 students

<http://www.ic1004.org/training-schools>

IC1004 support: 3-5 k€ (**MC Approval required**, since was not included in 3rd Year Term Budget proposal)

Newsletter

Editor: Prof. Alain Sibille

Welcome to distribute the link among your professional contacts:

<http://www.ic1004.org/index.php?page=newsletter>

Accesses to web page: >25.000

NL Downloads: about 700

“SMALL CELLS COOPERATIVE COMMUNICATIONS” (published February 2013)

Special Issue @



springer.com



SpringerOpen[®]



Mobile Internet Traffic today exceeds the total Internet traffic of 10 years ago. 3GPP Cellular networks have succeeded in offering sufficient coverage and capacity up to now, but the exponential current increase in mobile data traffic has opened a new challenge: providing high data rates in densely populated areas with limited spectrum availability, quite insufficient to cover the increasing demand. With radio access systems offering performance close to the Shannon limit, the addition of more cells in Radio Access Networks, combined with a tighter interference control is essential to continue increasing capacity. Small cells, pico- and femtocells are playing a key role in the current evolution of Cellular Networks, providing improved scalability, automated configuration and optimisation, rapid and cost effective deployment, efficient use of available backhaul, and high capacity density and enhanced user experience.

URSI RADIO SCIENCE:

Special section on "Green Radio Communications",
submissions in GEMS, close on August 31, 2013



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RADIO SCIENCE

Call for Papers for "Green Radio Communications"
Submission acceptance begins: 10 April 2013
Submission deadline: 31 August 2013

Guest Editors: Sana Salous, Durham University
Alain Sibille, Telecom ParisTech

Articles related to Green radio communications, especially targeting the radio channel in various environments such as indoor, outdoor, vehicular and other topics related to future uses of wireless technologies. The motivation for this special issue has emerged from the rich activity of the COST IC1004 European Action entitled "Cooperative Radio Communications for Green Smart Environments". Manuscripts should be submitted through the GEMS Web site. For additional information please contact: radioscience@agu.org

Commission-F Triennial conference held in Garmisch-Partenkirchen, Germany, 2011. The topics



Future Network & Mobile Summit 2013

3 - 5 July 2013, Lisbon, Portugal

Username: Password: [Login](#) [Password reminder](#)

General Information

- Welcome
- Mailing List
- Committees
- Steering Committee
- Contact Us

Programme

Registration

Call for Papers

Online Submission

Exhibition

Paper Repository

Previous Events

09:00 **Session 11e: COST ICT: Networks and More**

Chair: Ralph Stübner, COST Office, Belgium

The COST Domain for Information and Communication Technologies (ICT)
Soulla Louca, University of Nicosia, Cyprus

The COST Framework in a Nutshell
Ralph Stübner, COST Office, Belgium

COST Action IC0905: Techno-Economic Regulatory Framework for Radio Spectrum Access for Cognitive Radio/Software Defined Radio (TERRA)
Arturas Medeisis, VGTU, Lithuania

COST Action IC0902: Cognitive Radio and Networking for Cooperative Coexistence of Heterogeneous Wireless Networks
Jocelyn Fiorina, Supelec, France

COST IC1004 Activities: Cooperative Radio Communications for Spectrum and Energy Efficiency in coming Traffic Scenarios
Narcis Cardona, Universidad Politecnica de Valencia, Spain

Impact of Realistic Mobility Modelling in the Context of Propagation Modelling on the User and Network Experience
Dennis Rose, Technische Universität Braunschweig, Germany

Statistical Modelling of Antennas Applied to Realistic Use Cases in Wireless Networks
Alain Sibille, Telecom ParisTech, France

Traffic Steering by Self-tuning Controllers in Enterprise LTE Femtocells
Salvador Luna-Ramirez, University of Málaga, Spain

Designing Advanced Energy-efficient Wireless Access Networks by a Capacity based Deployment Tool
Margot Deruyck, Ghent University/iMinds, Belgium

12. Dissemination Activities (Conferences)

+About 30 conferences/courses/events with COST participants involved in organisation; announced at (www.ic1004.org)

...all under www.ic1004.org/announcements

Some new proposals:

- EuCAP 2014, several convened sessions (BAN, 60GHz,...) --> Claude

COST IC1004 Position Paper to Horizon2020:

- Presented during the Workshop “Future Network Technologies Research and Innovation in HORIZON2020”, organised by the EU Comission, Brussels June 29, 2012
- Had some citations and was very welcome by the COST Office

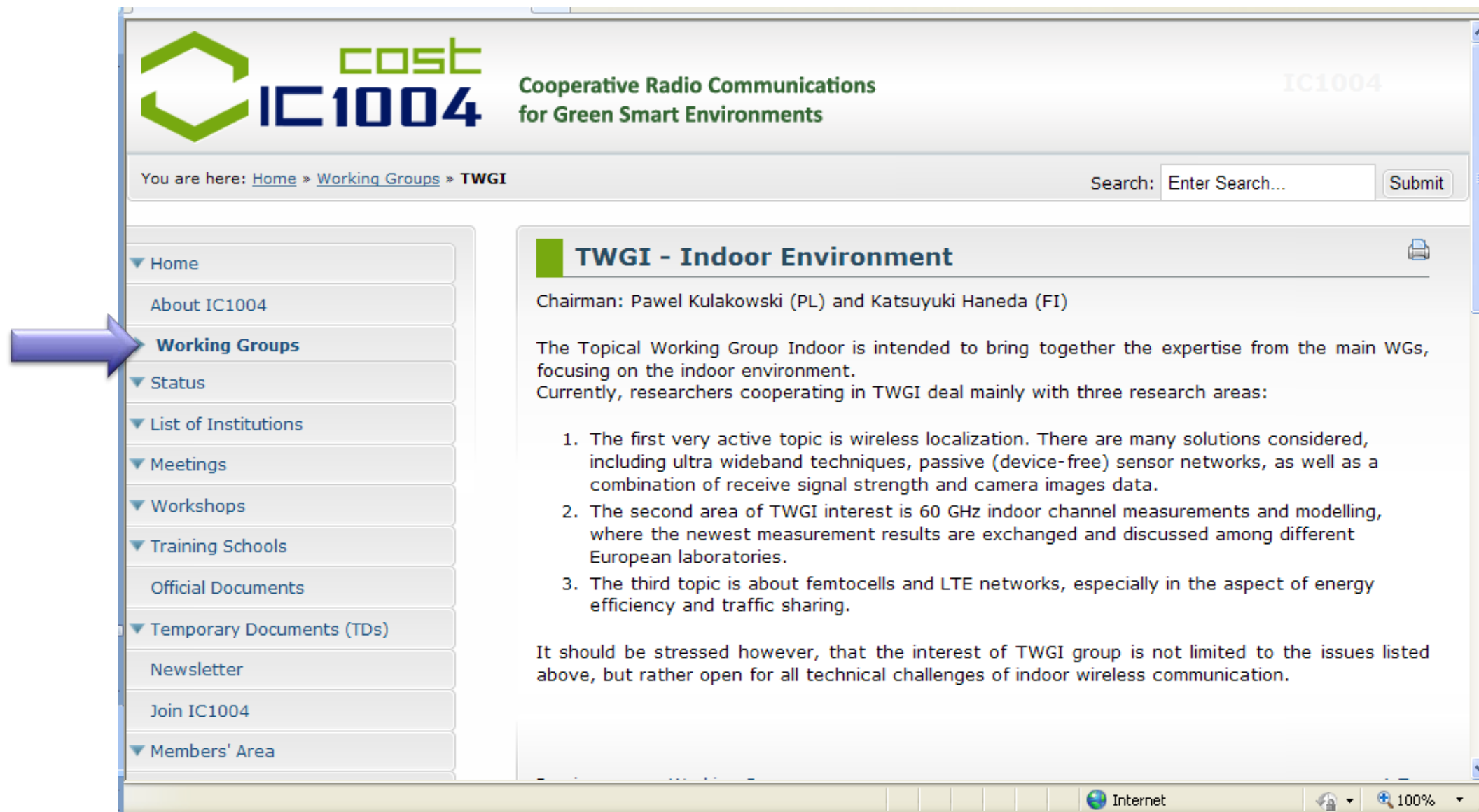
Time for a second IC1004 White Paper

Potential topic: Scientific challenges towards 5G mobile communications

Web Page

- Description of WGs Activities for the Web Page

WG Chairs: Please send updates (open)



- 8th MCM, 25-27 Sept 2013: Ghent , Belgium

JOINT with IC1102 (VISTA) as proposed by MC members of both Actions

Local organiser: Wout Joseph

- 9th MCM, **5-7 Feb 2014 Ferrara, Italy**

Local organisers: Vellio Tralli, Roberto Verdone

Offers for 2014:

- May 2014, Aalborg (Gert Pedersen, AaU) --> **Approve venue?**

- September, U. Montenegro, (Milica Pejanovic)

Venue: Budva resorts

15. Close of Meeting

Action Points after 4th MCM:

AP	WHAT	WHO	WHOM	WHEN
7.1	Send reimbursement invoices docs	Those entitled to	Secretary	7-June
7.2	Send Minutes of Group Meetings	Group Chairs	Chair	7-June
7.3	Liaisons: send reports	Rapporteurs	secretary	7-June
7.4	WG activities description update	WG Chairs	Chair	7-June
7.5	Send STSM Applic.	Those interested	eCOST +Chair	<u>Open</u>
7.6	Tutorials: proposals	All	Chair	Anytime

15. Close of Meeting

Action Points after 4th MCM:

AP	WHAT	WHO	WHOM	WHEN
7.7	Register to 8th MCM	attendees	website	6-Sept
7.8	Request TD number	authors	website	6-Sept
7.9	Entitle substitutions	MC	secretary	6-Sept
7.10	Submit full TD	Authors after after 7.7&7.8	website	13-Sept
	Book for Ghent meeting	attendees	-	ASAP



Cooperative Radio Communications for Green Smart Environments



THANK YOU !

See you in Ghent,
September 23-27