



Cooperative Radio Communications for Green Smart Environments

10th Management
Committee Meeting
Aalborg, Denmark
26-28 May 2014



Prof. Narcis Cardona
Univ. Politecnica Valencia
iTEAM Research Institute



Day 1. Wed 26-May-2014

PLENARY

1. Opening formalities
2. Adoption of the Agenda
3. Approval of the Minutes of the last MCM
4. Status of the Action
5. Grant Holder Report,
 - Budget distribution proposal for 4th year term
6. Presentation and discussion of technical documents
// WGs sessions

Day 2. Tue 27-May-2014

(cont'd) Presentation and discussion of TDs // Working Groups

PLENARY

7. Budget. Approval of Budget and Workplan for the 4th year term
8. Final Book. Approval of the Final Book Table of Contents and Chapter Editors
9. Reports from Group Chairs
10. Liaison rapporteurs to International Bodies and Projects
11. Dissemination and Training activities
12. AOB

Day 3. Wed 28-May-2014

(cont'd) Presentation and discussion of TDs // Working Groups

IC1004/CTIA Workshop on MIMO OTA Testing

ATTENDANCE LISTS:

Please sign the
THREE attendance lists for the MCM
(one per day)
&
ONE attendance list for
EVERY WG/SWG/TWG you attend

Registration receipts are available at reception desk

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?

4. Status of the Action

Number of signatories countries: **28** (+1: Hungary*)

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

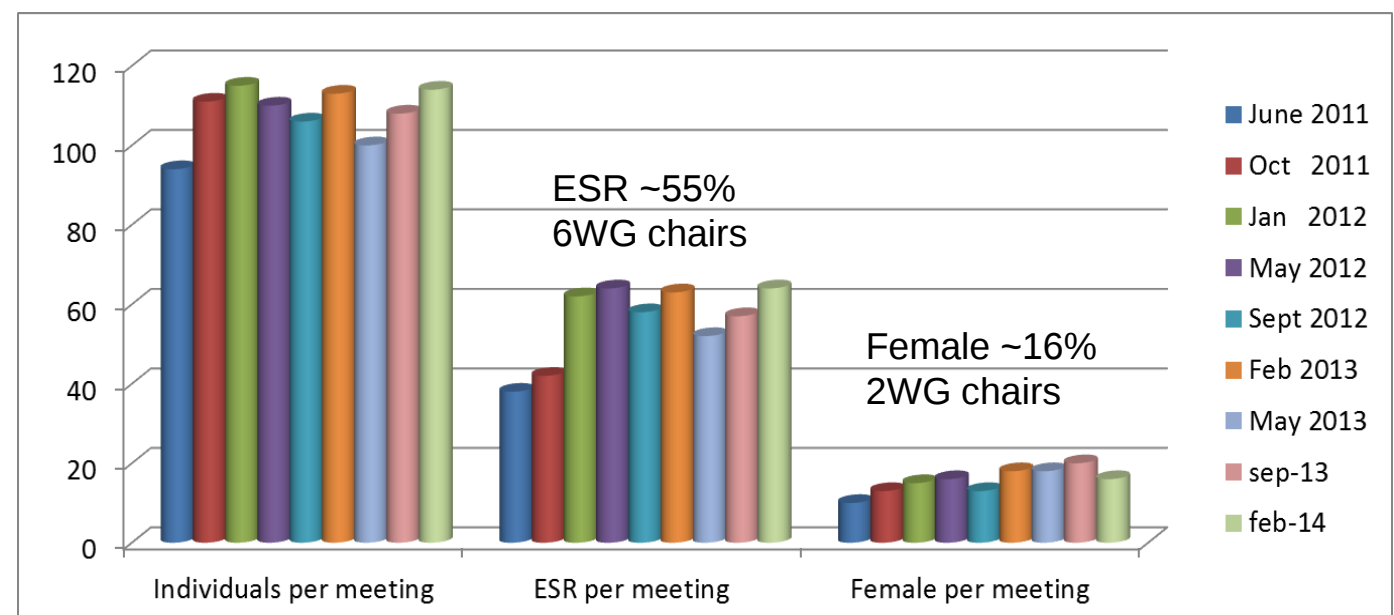
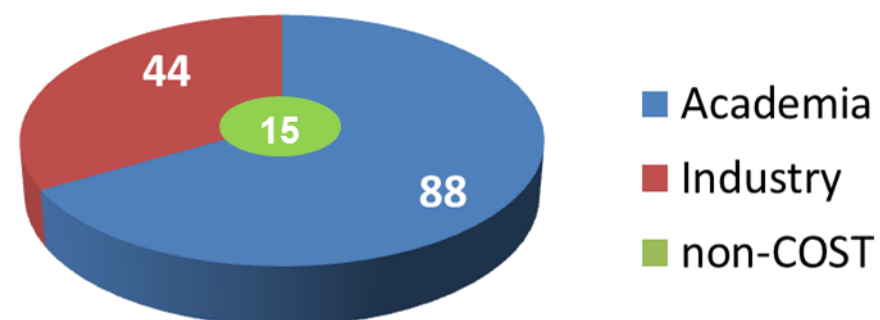
Number of COST Near Neighbour Countries: **1** (Montenegro)

Number of COST International Partner Countries: **6**

Number of non-COST entities (institutes, etc.) currently participating: **15** (+2)

Number of MC Members: **54*** (+ Chair)

Number of registered experts so far: **618**



4. Status of the Action

Current Non-COST Members (14 + 2):

The following are MC Observer requests being process (click on one to see the Detail page).

#	ID	Type	Action	Country	Institution	Participation
		v	v	v	v	v
2	611	IPCR	IC1004	 US	COMSEARCH	Approved on 2011-12-09
3	627	IPCR	IC1004	 CN	Tongji University	Approved on 2011-12-09
4	653	IPCF	IC1004	 JP	National Institute of Information and Communications Technology	Approved on 2011-10-21
5	693	NNCR	IC1004	 ME	University of Montenegro	Approved on 2011-12-09
6	694	IPCF	IC1004	 JP	Tokyo Institute of Technology	Approved on 2011-10-21
7	710	IPCF	IC1004	 CO	Universidad Icesi	Approved on 2011-10-21
8	711	IPCR	IC1004	 AU	La Trobe University	Approved on 2011-12-09
9	770	IPCF	IC1004	 CA	The Communications Research Centre	Approved on 2011-10-21
10	807	IPCR	IC1004	 JP	Japan Advanced Institute of Science and Technology	Approved on 2012-06-08
11	869	IPCF	IC1004	 CN	Beijing University of Posts and Telecommunications, Wireless Technology Innovation Institute	Approved on 2012-03-28
12	900	IPCR	IC1004	 US	National Institute of Standards and Technology	Approved on 2012-12-14
13	901	NNCR	IC1004	 LB	American University of Beirut	Template Completion
14	1055	IPCR	IC1004	 CN	Academy of Broadcasting Planning	Approved on 2012-12-14
15	1218	IPCR	IC1004	 CN	Beijing Jiaotong University (BJTU)	Approved on 2013-09-16
16	1577	IPCF	IC1004	 JP	NTT DOCOMO, INC.	Approved
17	1676	IOR	IC1004	XI	Samsung Electronics Korea	SO Validation
18	1677	IOR	IC1004	XI	Huawei Technologies Co., Ltd.	Template Completion

→ No longer possible to include new non-COST participants officially (entered the last year term of the Action)

Monitoring Progress Report

and Annual Progress Conference of the ICT Domain, Kosice (Slovakia) 23-24 April 2014:

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 1st May 2013 (or start date of the Action)
to 28th February 2014

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.

Among other aspects, it were highlighted

1. the high impact of IC004 **scientific dissemination:**

- ✓ Special Issue at Eurasip **Journal**
- ✓ Special Cluster in IEEE AWPL **Journal**
- ✓ **FuNEMS** special session
- ✓ **FP7** RAS Cluster meeting (on behalf of 6 Actions)
- ✓ Special sessions (2) to **EuCNC**
- ✓ Special issue at **Radio Science**
- ✓ Special sessions (3) at **URSI-GA**
- ✓ Tutorial at **EuCAP**
- ✓ Special sessions at **PIMRC**
- ✓ Inputs to meetings of **CTIA** and **3GPP RAN4**
- ✓ Liaisons established to **FP7** projects LEXNET, METIS, NEWCOM#, i-PLAN, GREENETS, 5GNOW
- ✓ Joint Workshop **VISTA**
- ✓ Strength cooperation to **TERRA**
- ✓ **...290 published scientific documents** from IC1004 members

Monitoring Progress Report

and Annual Progress Conference of the ICT Domain, Kosice (Slovakia) 23-24 April 2014:

2. Reaching the Action objectives for the 3rd year (as for April'14):

95% Scientific *(reported at Work Plan for 3rd Year):*

- ✓ Validation of cooperative elements of COST Radio Channel Model
- ✓ Parameterization of COST model to Outdoor-to-indoor scenarios, diffuse/dense multipath and frequency versatility from 0.9 to 60 GHz
 - Extension of cooperative radio communications beyond 2 hops (*planned May 2014*)
- ✓ Publish the IC1004 Urban Environment Reference Simulation Scenarios
- ✓ Energy efficiency in Self-Organising, Cooperative, Femtocell and HETNETS
- ✓ Integration of mobility, NS3, and channel models into a common simulation platform for vehicle communications and traffic safety
- ✓ 60 GHz indoor radio channel modelling and measurements
 - Publish the IC1004 Body Area Networks Radio Channel model (*planned May 2014*)
- ✓ Calibration of OTA test-beds and test-zone compensation

100% Liaisons to Industry and Standardisation Bodies:

- ✓ Keep being active in CTIA, RAN4 of 3GPP, ETSI
- ✓ Increase the International projects liaisons: METIS, LEXNET, GreeNets, iPLAN, ABSOLUTE, SEMAFOR, DIWINE, ...
- ✓ Keep increasing the industrial involvement in COST IC1004

>100% Training & Dissemination:

- ✓ Training Schools and Short Courses on SAR, Experimental Research, 4G Planning, +Tutorials
- ✓ Newsletter, Special sessions, Special issues, Joint Publications...
- ✓ White paper on 5G Technology Challenges

Monitoring Progress Report

and Annual Progress Conference of the ICT Domain, Kosice (Slovakia) 23-24 April 2014:

3. The positioning of IC1004 in the H2020 future framework research views

- COST IC1004 White Paper to H2020:
"Scientific challenges towards 5G
mobile communications"

COST IC1004 researchers' view of the future of Radio Access Networks, under the assumption of three facts: wireless terminals will evolve to get any device connected, access networks are to change their architectural basis in the coming years, and spectrum usage strategies should be revisited to ensure the efficient connectivity of the coming massive wireless traffic scenarios. Has been an **excellent instrument to make COST known by FP7 projects clusters**.

Published 19-dec-2013

- > **2600 downloads** so far
- Invited to FP7 RAS Cluster White paper edition (published)
- RAS Cluster White paper to IEEE Magazine (submitted)

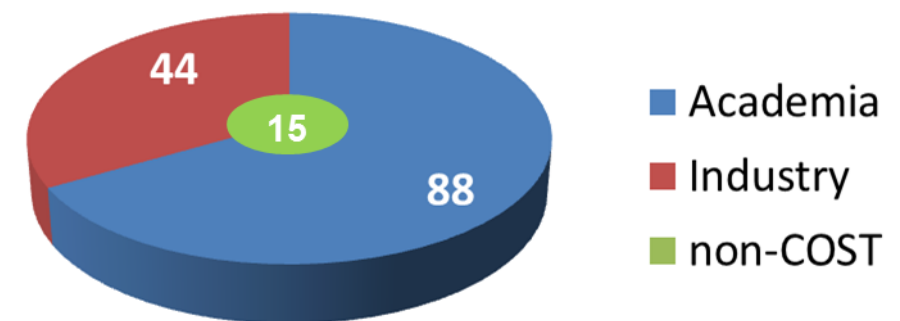


Monitoring Progress Report

and Annual Progress Conference of the ICT Domain, Kosice (Slovakia) 23-24 April 2014:

and 4. The high percentage of Industry participation

Agilent Technologies UK Ltd., Alcatel Lucent, Anite Telecom Oy, BMW Forschung und Technik GmbH, British Sky Broadcasting Ltd., CETECOM, Comsearch, Datax, Elektrobit, Ericsson AB, Eurecom, France Telecom, German Aerospace Center (DLR), IMST GmbH, Intel Mobile Communications, Kapsch TrafficCom, MEDAV, Molex Antenna Business Unit, Motorola Mobility, NEC Telecom MODUS Ltd, Nokia Siemens Networks, NPL Management Ltd., Onera, Orange Labs, Pulse Finland, Ranplan Wireless Network Design, Rohde & Schwarz GmbH & Co. KG, Samsung Electronics, Simula Research Laboratory, Siradel, Sony mobile, Spirent Communications PLC, Telefónica Investigación y Desarrollo, Telenor, Toshiba Research Europe Limited, ...



Travel and Reimbursement issues

NEW Procedure @ eCOST

COST Office has introduced a **Strong Authentication** feature in e-COST, enabling **Online Travel Reimbursement Request** (OTRR) forms to be submitted fully online. The new feature is based on the release of 'One Time Passwords' similar to those used by some e-banking systems.

The Online Travel Reimbursement Request (OTRR) allows **each participant to directly encode** into e-COST the expenses incurred in relation to the attendance of COST Action meetings, as well as to submit the **supporting documents** linked to the request, by scanning them and attaching them to the Online Travel Reimbursement Request (OTRR).

=> no need to hand the form over during the MC meeting or send the hard copy by post

The OTRR is to be **submitted only after the meeting** took place. After the participant has encoded the relevant expenses and uploaded the supporting documents, the participant will be able to authenticate him/herself by providing the InWebo password, and submit the claim.

Travel and Reimbursement issues

NEW Procedure @ eCOST

The steps to be performed in order to submit your travel reimbursement request :

Before the meeting

Step 1, the participant is asked to accept or decline the invitation received by email (the usual e-cost invitation email)

Before or after the meeting

Step 2, the participant can start to fill in the claim

Step 3, the participant can encode the expenses

Only after the meeting

Step 4, the participant is asked to select a bank account

Step 5, the participant can submit the claim

WARNING: We close the year term on 31st May → **Upload your docs by end of NEXT WEEK**

Third Year term (June 1, 2013 - May 31, 2014)

Grant: 177.900 EUR

Grant Agreement	Approved by MCM	TOTAL spent	+ Forecast	Balance
		(25th May)	(Aalborg)	
Meetings	103.300,00	€ 61.575,81	€ 32.000,00	€ 9.724,19
Workshop	3.000,00	€ 3.000,00	€ 2.000,00	-€ 2.000,00
STSM	13.400,00	€ 11.360,00		€ 2.040,00
Training School	32.500,00	€ 27.224,45		€ 5.275,55
Disseminations	1.500,00	€ 1.500,00		€ 0,00
Other	1.000,00	€ 0,00		€ 1.000,00
TOT	154.700,00	€ 104.660,26	€ 138.660,26	€ 16.039,74
Secretary	23.200,00	€ 18.429,20	€ 20.799,04	€ 2.400,96
TOT	177.900,00	€ 123.089,46	€ 159.459,30	€ 18.440,70

← Ghent and FuNEMS below forecast

← Only 8 STSMs performed

← Joint TSs => 50% cost of speakers

→ Reimburse all WG Chairs to Aalborg

BUDGET for 4th year term

- COST is leaving the ESF framework on November, entering the new H2020 framework.
- No major changes in COST Actions format, rules.
- Role of COST in H2020 similar to that in FP7.
- Some delay in getting grant agreement expected, but

183k€ have been assigned for 4th year term, and
activities are eligible from **1st of June**

A draft of the **budget distribution proposal** is circulated among the MC members for their **approval in this MCM**,
subject to fine tuning after SO review. If major changes required, new approval by the MC (off-line)

Type of expenditure	Proposed	Details
1. Meetings and WS	<i>122.300,00</i>	EuCNC 2014 Workshops Krakow MCM Vehicular Com. Workshop Dublin MCM Valencia Final Meeting & WS
2. STSMs	10.000,00	8 to 10 STSMs
3. Training schools	<i>24.600,00</i>	2 TSs, possibly joint Grants for 20 to 30 trainees each Average 8 speakers per TS
4. Dissemination/ Publicat.s	<i>1.500,00</i>	Web page (&server) maintenance
5. Others	<i>730,43</i>	Bank fees, post, etc.
Secretariat - 15% of sum(1:6)	<i>23.869,57</i>	
TOTAL	<i>183.000,00</i>	

Details are available for MC members in budget draft document circulated by email

TDs allocation to WGs

WG 1	9, 16, 23, 28, 31, 35, 36, 41, 57, 64, 78, 82, 85, 89	(14)
WG 2	11, 25, 37, 38	(4)
WG 3	12, 15, 20, 22, 27, 34, 44, 49, 51, 63	(10)
SWG 1.1	5, 24, 26, 33, 43, 55, 75, 77, 79, 81, 87, 92	(12)
SWG 1.2	53, 71, 72, 73, 74, 91	(6)
SWG 2.1	6, 40, 47, 48, 67, 68, 69	(7)
TWG-B	2, 7, 58, 94	(4)
TWG-V	4, 8, 10, 13, 14, 19, 29, 39, 46, 59, 84	(11)
TWG-U	30, 42, 54, 83, 93	(5)
TWG-i	1, 3, 17, 18, 21, 32, 52, 56, 65, 66	(10)
TWG-O	45, 50, 60, 61, 62, 76, 80, 86, 88, 90, 95	(11)
withdrawn	70	(1)

WGs sessions Schedule

10th MC Meeting of COST IC1004

Mon 26th				Tue 27th				Wed 28th			
	TD#	room			TD#	room			TD#	room	
9:00	Opening	Auditorium		9:00	SWG1.1	5, 43, 24, 75, 79	Audit	9:00	SWG1.1	77, 26, 55, 87, 81	Audit
	MC PLENARY				TWG-V	84, 04, 08, 13	B2-104		SWG 1.2	53, 71 , 91	B2-104
10:15					TWG-U	30, 83, DISC	A4-108		TWG-U	42, 54, 93	A4-108
				10:30	TWG-i	17, 18, 32, DISC	A4-106	10:30	TWG-i	EVARILOS, 21,56,3	A4-106
	Coffee				Coffee				Coffee		
10:45	WG1	9,41,35,57,64	Audit	11:00	SWG1.1	92, 33, DISC	Audit	11:00	WORKSHOP		
	WG2	11, 25, 38, 37	B2-104		TWG-V	14,19, 10, DISC	B2-104			+ 95, 60	2
	WG3	15,51,49,12	A4-108		TWG-B	2,7, DISC	A4-108				
12:30				12:30	SWG1.2	72, 73 , 74 DISC	A4-106	12:30			
					Lunch				Lunch		
13:30	WG1	36,16,23,31,78,82	Audit	13:30	MC PLENARY			13:30	WORKSHOP		
	WG2.1	40, 67, 69, 68	B2-104							61,86,90,88,45	5
	WG3	34,44,20,22	A4-108								
15:30			A4-106	15:30				15:30			
	Coffee								End of meeting		
16:00	WG1	28,85,89, DISC	Audit	16:00	TWG-O	50,62, 76, 80	Audit				
	WG2.1 /2	6, 47, 48 DISC	B2-104		TWG-V	39, 46, 29, 59	B2-104				
	WG3	27,63, DISC	A4-108		TWG-B	94, 58, DISC	A4-108				
17:30	TWG-O	DISC	A4-106	17:30	TWG-i	1, 52, 65, 66	A4-106				
17:45	Editorial Board Meeting (Book)	A4-106		17:45	WG Chairs Newsletter meeting	A4-106					

Workshop program:

11:00

- General overview of investigated methods and Status of CTIA work on OTA (Istvan Szini, Motorola)
 - The 2-Stage OTA testing approach
 - Reverberation Chamber based OTA testing
 - Decomposition Testing Approach
 - Multi-Probe Anechoic Room Testing
- Multi-Probe Anechoic Room Testing, Overview and recent results (Wei Fan, AAU)
- TD(14) 0095 The 2-Stage OTA testing approach and status (Janus Faaborg, Agilent)
- The Reverberation Chamber testing, Overview and recent results" (Robert Rehammar, Bluetest)

< LUNCH BREAK >

13:30

- Future testing capabilities of an AC-OTA setup (Pekka Kyosti, Anite)
- TD(14)10060: "MIMO OTA Propagation Environments and Impact on Antenna Design" (Boyan Yanakiev, IMC)
- TD(14)10086: "Measurement campaign on AC MC Boundary Array, comparing B13 devices in different mechanical modes and test methodologies", (Istvan Szini, Motorola)
- TD(14)10090: "Proposal for improving TRP/TRS testing time" (Thomas Bolin, Sony Mobile)
- TD(14)10029 " Experiments and Analysis of Measurement Uncertainty of an Over-the-Air Multi-Probe Setup for Cars at 5.9 GHz ", (Mikael, Nilsson, Lund/VCC)
- TD(14)10045 "Wideband MIMO Channel Capacity Analysis in Multi-probe Anechoic Chamber Setups", (Jesper Ødum Nielsen, AAU)

TOPICS TO DISCUSS during WG sessions

- **Book**
 - Section editors
 - Detailed list of Topics, contents
- **Budget and workplan:**
- Goals and Activities for the 4th year
- Proposals for joint activities to projects, other actions.
- Dissemination activities, conferences, tutorials, ...
...any new offer?: report to Narcis/Roberto during the meeting

...MC Plenary continues on Tuesday at 13:30

Attendance lists from WGs/SWGs/SIGs:

Have you signed the
GENERAL ATTENDANCE LIST?

No signature, no reimbursement...

Plenary session
Resume at
13:30

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

PLENARY

7. Budget. Approval of Budget and Workplan for the 4th year term
8. Final Book. Approval of the Final Book Table of Contents and Chapter Editors
9. Reports from Group Chairs
10. Liaison rapporteurs to International Bodies and Projects
11. Dissemination and Training activities
12. AOB

BUDGET for 4th year term

- Draft of the **budget distribution proposal** circulated yesterday among the MC members for their **approval in this MCM**,
- Some inputs received, mainly on goals and tasks
- New version has been circulated this morning

MC Plenary APPROVAL

8. Final Book. Calendar

		Who	
Today	Ghent	Editor	Launch process, approve calendar
5-Feb-2014	Ferrara	MC	Selection of topics, ToC proposal (Chapters) Appoint Chapter editors Approval of EB, ToC and CE
		CE E EB EB	Definition sections and SE Contact Publishers TD to chapters map Definition of edition Guidelines → Subjected to publisher
May-14	Aalborg	MC CE	Approval of ToC+sections + TD to Chapters map Identify Section Editors
		E E CE All/SE	Send proposal to publishers Circulate Edition guidelines TDs to Sections map Start contributions
Sep-14	11th MCM	MC	Approve TD sections mapping, review status Approve publisher
Dic-14		E	First Draft ready, Request for comments
Jan-15		All	Comments
Feb-15	12th MCM	MC	Approval First draft

- Publisher
 - Narcis contacted Editors: Springer, Academic Press, Cambridge Univ. Press, Elsevier, Wiley. **ToC is needed** to make proposals to the publishers.
 - Every publisher offers free copies and electronic version of the book, so **printed+eBook edition** is assumed for any publisher we select. Selection of publisher during Aalborg meeting if there is sufficient information.
 - COST Office provides a **separate budget for the book**, upon application from the Action. To be prepared and sent right after Aalborg meeting.
- Chapters structure
 - **ToC defined**: Chapter and Sections
 - Objective **350 pages** (+lists, tables, references)
 - Chapters 1 (Introduction) and 12(Future trends) remain open to section definition. To be structured by Krakow meeting, to include this and coming meeting contributions.
- Editorial Board meeting (on-line) once per month

COST IC1004 FINAL BOOK Table of Contents (draft)

- 1. Introduction. Scenarios, environments and evolution** (N. Cardona)
- 2. Urban Radio Access Networks** (S.Salous)
 - 2.1. Radio Propagation in urban scenarios
 - 2.2. Urban reference scenarios
 - 2.3. Conclusions
- 3. Indoor Wireless Communications Systems** (K.Haneda)
 - 3.1. Introduction
 - 3.2. Indoor radio channel modeling, field tests, and SAR analysis
 - 3.3. Techniques and models for indoor localization
 - 3.4. Millimeter-wave radios: measurements, modelling and applications
- 4. Vehicular Communications Environments** (L. Ekiz, E.Ström)
 - 4.1. Introduction
 - 4.2. Radio Channel Measurement, Characterization, and Modeling
 - 4.3. Antennas for vehicular communications
 - 4.4. Communication Systems
 - 4.5. Summary and Outlook

5. Wireless Body Area Communications

(R.D'Erico,K.Yazdandoost)

- 5.1. Wireless Body Environment intro
- 5.2. Antenna design and modeling
- 5.3. On-body channel
- 5.4. Off-body and B2B channel
- 5.5. Upper layers for BANs
- 5.6. PHY and MAC protocols
- 5.7. Cooperative approaches

6. Green and Efficient RAN Architectures

(S.Ruiz)

- 6.1. Resource Management Ecosystem for Cellular Networks
- 6.2. Resource Management in Wireless Networks
- 6.3. Energy Efficient Enhancements
- 6.4. Spectrum Management and Cognitive Networks
- 6.5. Virtualised and Cloud based Architectures
- 6.6. Reconfigurable Radio for Heterogeneous Networking

7. Cooperative Strategies and Networks

(J.Sykora)

- 7.1. Cooperative and relay-aided processing
- 7.2. Physical Layer Network Coding
- 7.3. ***Cooperative networks

8. Evolved Physical Layer

(A. Burr)

- 8.1. Interference Management
- 8.2. Energy Efficiency
- 8.3. MIMO
- 8.4. Iterative Methods and Coding
- 8.5. Link abstraction for system-level modelling

9. Radio Channel Measurement and Modeling Techniques

- 9.1. Measurement techniques and material characterization
- 9.2. Parameter estimation techniques
- 9.3. Physical modeling techniques
- 9.4. Analytical modeling approaches
- 9.5. Updated COST2100 model

(C.Oestges)

(S. Salou)

(C. Schneider)

(TBD)

(M.Jakobsen)

(F.Tufvesson)

10. Innovations in Antenna Systems for Communications

- 10.1. MIMO Antenna Innovations
- 10.2. Channel-aware and Reconfigurable Antennas
- 10.3. RFID and Sensor Antenna Innovations
- 10.4. Modeling and Characterization of Antenna Systems

(B. K. Lau)

11. Over the Air Testing of MIMO systems

- 11.1. Introduction (assumptions, models)
- 11.2. Research topics relevant to all methods
- 11.3. Research topics specific to MP
- 11.4. Other methods
- 11.5. Field evaluation
- 11.6. Discussion and future work

(G.Pedersen)

(W.Kotterman)

(I. Szini)

(W. Fan)

(M. Rumney)

(P.H.Lehne)

(G.Pedersen,
W.Kotterman)

12. Future trends and Recommendations (open)

(--)

MC Plenary APPROVAL

- Disciplinary Working Groups:
 - WG1: Claude Oestges, U.C.L. (BE)
 - SWG1.1: Buon Kiong Lau (SE)
 - SWG1.2: Tommi Jämsä
 - 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)

- Vehicular Environment, TWG-V
Levent Ekiz (DE), 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 Vitrisal (AT)
- MIMO-OTA Testing, TGW-O
Gert Pedersen (DK), Wim Kotterman (DE)

- Buon Kiong Lau , COST VISTA
- Sana Salous, Vice-Chair of URSI C
- Istvan Szini, CTIA
- Moray Rumney, 3GPP RAN4
- Fernando Velez, COST IC905, COST TERRA
- Haibin Zhang, GreenTouch
- Alister Burr, FP7 Diwine
- Alain Sibille, FP7 Lexnet
- Tommi Jämsä, Narcis Cardona, FP7 METIS
- Roberto Verdone, Newcom#, EurACON
- ...
- Others?

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

Please send your reports to Secretary by **June 6th**

Newsletter

Editor: Prof. Alain Sibille

Welcome to **distribute the link** among your professional contacts:
<http://www.ic1004.org/index.php?page=newsletter>

OPEN CALL for STSMs

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 all WGs Chairs.

Guidelines @ www.cost.eu

- Training School(s):

“SAR & EM exposure in wireless networks”

Joint with LExNET FP7 project

Venue: Paris (Telecom Paristech)

Dates: 2 ½ days 15-17 APRIL-2014

Organiser: Alain Sibille (Telecom Paristech)

Attendees: 25 ESR & students

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

IC1004 support: 3 Trainers travel costs, 25 grants for PhD and ESRs,
organisational support

Short Course at EuCAP 2014

“ Propagation and channel modelling for beyond 4G cellular networks“
April 11, 2014 (last afternoon of EuCAP 2014), Den Haag, NL

Approved by IC1004 MC to support with 3.5 k€ for 15x200€ grants

Not approved by the Officer, mainly due to:

1. On the EuCAP web site it is not identifiable that this course is stemming from or has any linkage with the COST Action IC1004.
2. The grant is considered (by the COST Office) as a support the participation in the conference, not in the short course.

((... learned for next occasion))



Bologna, Italy, June 23/26, 2014

2 Workshops (Special Sessions):

“Propagation Models and Channels for Future Mobile Communications” (Chair: K. Haneda)

+ Joint IC1004/TERRA “Spectrum Management Strategies for Future Radio Communications Networks” (Chair: N. Cardona)

+About 50 conferences/courses/events with COST participants involved in organisation; announced at (www.ic1004.org)

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

***Any offer for Workshop, Special Session,
Training School, Tutorial, ... is welcome at any
time during the Action
chair@ic1004.org***

11th MCM

24-26 September 2014, Krakow

Local Organiser: Pawel Kulakowski

12th MCM

28-30 Jan 2015, Dublin

Local Organiser: Connor Brennan

Final meeting & Workshop

(tentative) 12-14 May 2015, Valencia

Local Organiser: Narcis Cardona

Any other business?

Action Points after 10th MCM:

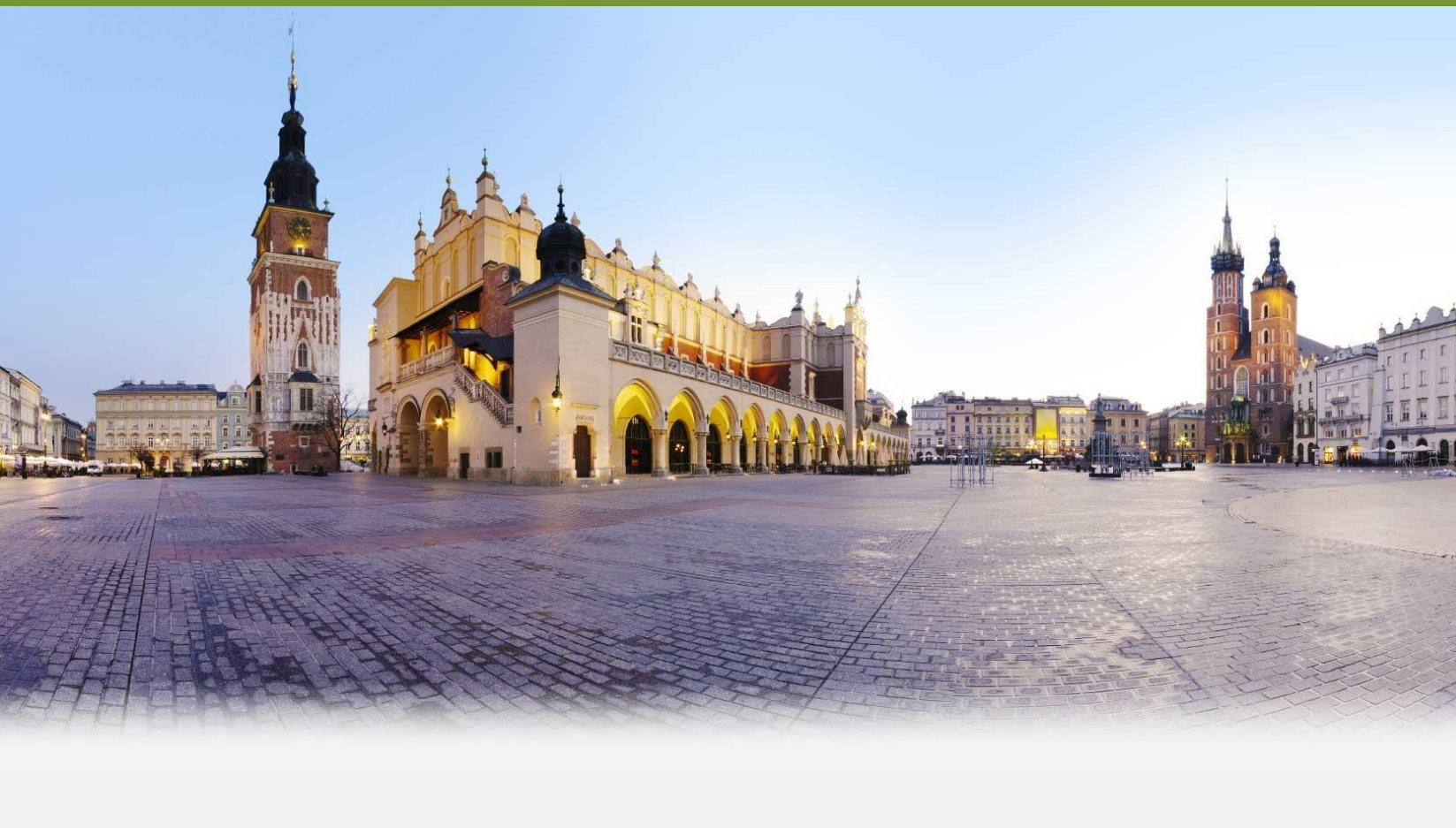
AP	WHAT	WHO	WHOM	WHEN
10.1	Complete reimbursement procedure on-line	Those entitled to (MC members+WG Chairs)	eCOST	6-June
10.2	Send Minutes of Group Meetings	Group Chairs	Chair	6-June
10.3	Liaisons: send reports	Rapporteurs	Secretary	6-June
10.4	Send STSM Applic.	Those interested	eCOST +Chair	<u>Open</u>
10.5	Workshop & Tutorials proposals	All	Chair	Anytime

Action Points after 10th MCM:

AP	WHAT	WHO	WHOM	WHEN
10.6	Register to 11 th MCM	attendees	website	9-Sept
10.7	Request TD number	authors	website	9-Sept
10.8	Entitle substitutions	MC	Secretary	9-Sept
10.9	Submit full TD	Authors after after 10.6+10.7	website	16-Sept
10.10	Book flights for Krakow meeting	attendees	-	ASAP



Cooperative Radio Communications for Green Smart Environments



THANK YOU !

**See you in Krakow,
Sept 24-26**