



**WIRELESS WORLD**  
RESEARCH FORUM

**Meeting Program**

**WWRF 20th Meeting**

Sponsored By:



**Future Networks:  
Cross-Layer Design**

**22<sup>nd</sup> - 24<sup>th</sup> April 2008  
Ottawa, Ontario, Canada**

Registration opens at 8:00am  
Westin Hotel, Ottawa, Ontario, Canada

<b>DAY 1 – Tuesday April 22<sup>nd</sup> 2008</b>	
8:00 – 9.30	Registration open
8.30 – 9.30	Continental Breakfast
9.30 – 10.30	<b>Inaugural Welcome</b> <i>About WWRF – Dr. Nigel Jefferies – Forum Chair, WWRF</i> <i>Welcome from RIM – Dr. Mark Pecen – VP Advanced Technologies, RIM</i> <i>Welcome from Communications Research Centre – Dr. Veena Rawat – President, CRC</i> <i>About the 20th Meeting of WWRF – Dr. James Womack – Director Advanced Technology</i>
10.30 – 11.00	Coffee Break
11.00 – 12.30	<b>Plenary 1 – MVCE Session on Cross Layer</b> Chair – Professor Rahim Tafazolli, University of Surrey, UK Prof. Stephen McLaughlin, University of Edinburgh, UK Dr. Vasillis Frederikos, Kings College London, UK Prof. Halim Yanikomeroglu, Carleton University, Canada
12.30 – 1.30	<b>LUNCH</b>
1.30 – 3.00	<b>Plenary 2 – North American Operators Panel Session</b> Chair – Peter Barnes, CWTA David Neale – Telus Hank Kafka – AT&T Roger Marks, NextWave
3.00 – 3.20	WWRF 2020 Vision Review – Patrick Pirat, ACEN Announcement on SIG Elections – Vinod Kumar, Alcatel-Lucent, WWRF Secretary
3.20 – 3.40	Coffee Break
3.45 – 4.45	SIG – 1st Session/Elections
4.45 – 6:15	Working Group – 1st Session
6.30 – 8.30	Cocktail Reception hosted by RIM – Westin Hotel

<b>DAY 2 – Wednesday April 23<sup>rd</sup> 2008</b>	
8.00 – 9.00	Continental Breakfast
9.00 – 10.30	<b>Plenary 3</b> Dr. Gerry Chan – Communication Research Centre, Canada Dr. Zhigang Yan – Research Institution of China Mobile, China Stanley Chia – Vodafone, USA
10.30 – 11.00	Coffee Break
11.00 – 12.30	<b>Plenary 4</b> Dr. Mahmoud El-Hadidi – University of Cairo, Egypt Dr. Mehul Motani – National University of Singapore, Singapore Mr. Wen Tong – Nortel, Canada

12.30 – 1.30	<b>LUNCH</b>
1.30 – 3.00	<b>Panel: Home Networking</b> Chair – Prof. Rolf Kraemer – IHP Microelectronics Ellis Lindsay – Alcatel-Lucent Jaime Fink – 2-Wire Greg Bathrick – PMC Sierra Martial Bellec – Orange Labs
3.00 – 3.30	Coffee Break
3.30 – 5.00	Working Group – 2 <sup>nd</sup> Session
6.30 – 9.00	RIM Gala Event – Aviation Museum

### DAY 3 – Thursday April 24<sup>th</sup> 2008

8.00 – 9.00	Continental Breakfast
9.00 – 10.30	Working Group – 3rd Session
10.30 – 11.00	Coffee Break
11.00 – 12.30	SIG – 2nd Session
12.30 – 1.30	<b>LUNCH</b>
1.30 – 2.30	General Assembly
2.30 – 3.30	Working Group & SYG Summary Session
3.30 – 4.00	Wrap up: Key Findings & Outlook
4.00	<i>Close of WWRF 20</i>
4.30 – 6.00	Vision 2020 Workshop – Session 1*

### Friday April 25<sup>th</sup>, 2008

9.00 – 11.00	Vision 2020 Workshop Session 2*
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**\* You are invited to attend WWRF Workshop on developing its “Vision 2020”**

## Working Group/Special Interest Group Chairs

Working Group	Elected WG Chair	Elected WG Vice Chair
WG1	Prof. Knud Erik Skouby TU Aalborg, Denmark	
WG2	Prof. Olaf Drögehorn University of Kassel, Germany	Prof. Jari Porras Lappeenranta University of Technology, Finland
WG3	Mr. Hua Huang Huawei, China	Ms. Li Ming China Mobile, China
WG4	Dr. Angeliki Alexiou Alcatel Lucent Labs, United Kingdom	Dr Yi Wang Huawei, China
WG5	Dr. Marcos Katz VTT, Finland	Ms. Isabelle Siaud France Telecom R&D, France
WG6	Prof. Panagiotis Demestichas University of Piraeus, Greece	Dr. Alessandro Trogolo TILAB Italy
SIG1	Mr. Christos Politis Kingston University, United Kingdom	Mr. Carl Wijting Nokia, Finland
SIG2	Mr. Mario Hoffmann Fraunhofer SIT - Germany	Mr. Marcus Wong Samsung Electronics, Korea
SIG3	Mr. Sudhir Dixit Nokia Siemens Networks, Finland	Mr. Hermann de Meer University of Passau, Germany
SIG4	Mr. Hua Huang Huawei Technologies Co., Ltd., China	Dr. Djamal Meddour France Telecom, France

## WG1 – Human Perspective and Service Concepts

WG1 Session 1		
Tuesday, April 22, 4:45pm – 6:15pm		
Session Chair: Knud Erik Skouby (CMI/ Aalborg University, DK) – Room		
Time	Title	Author
4.45 – 5.15	Creativity in requirement identification	Lene Sørensen, Henning Olesen, CMI/ Aalborg University, Denmark
5.15 – 5.45	Formal Modeling and Verification of Wireless Solutions	Siamak Kolahi, RIM
5.45 – 6.15	Making Low-cost Wireless Infrastructure accessible and available for Health Service Innovation in Africa: What role can the DigitalWorld Forum play?	Adesina Iluyemi School of Computing, University of Portsmouth, UK

<b>WG1 Session 2</b>		<b>Wednesday, April 23 3:30pm – 5:00pm</b>
<b>Session Chair: Knud Erik Skouby (CMI/ Aalborg University, DK) – Room</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
3.30 – 4.00	Instant Knowledge: Secure Autonomous Business Collaboration	James Irvine, University of Strathclyde Alisdair McDiarmid, University of Southampton, Craig Saunders, Allan Tomlinson, Royal Holloway, University of London, Nigel Jefferies, Vodafone
4.00 – 4.30	Social networking - scenario elements	Lene Sørensen, Knud Erik Skouby, CMI/ Aalborg University, Denmark
4.30 – 5.00	Charter revision	Knud Erik Skouby, Lene Sørensen

## **WG2 – Service Architecture**

<b>WG2 Session 1</b>		<b>Tuesday, April 22, 4:45pm – 6:15pm</b>
<b>Session Chair: Olaf Droegehorn (University of Kassel, Germany) – Room</b>		
<b>Charter &amp; Invited talks</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
4.45 – 5.15	Recap of WG2 and charter for the next 1,5 years	Olaf Droegehorn, University of Kassel Jari Porras, Lappeenranta University of Technology
5.15 – 5.45	Invited talk on Broadcaster view on Service Architecture	To be confirmed
5.45 – 6.15	Invited talk on Car2X Service Architecture aspects	To be confirmed (Greece)

<b>WG2 Session 2</b>		<b>Wednesday, April 23 3:30pm – 5:00pm</b>
<b>Session Chair: Jari Porras (Lappeenranta University of Technology, Finland) – Room</b>		
<b>Service Roaming, Mobility &amp; Access Control</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
3.30 – 4.00	Technical and business aspects of service roaming	Jordi Rovira Simón, Telefonica, Spain Srisakul Thakolsri, DoCoMo Euro-Labs, Germany Stian Alapnes, Josip Zoric, Telenor, Norway
4.00 – 4.30	Future User Mobility Data Management – Research Challenges	Javan Erfanian – Bell Canada, Canada
4.30 – 5.00	Relation-based Access Control through Semantic Rules	Najeeb Elahi, Mohammad M. R. Chowdhury, and Josef Noll, UniK-University Graduate Center, Norway

## WG3 – Future Architecture

WG3 Session 1		Tuesday, April 22, 4:45pm – 6:15pm
Session Chair: Hua Huang (Huawei, China) – Room		
New Architecture		
Time	Title	Author
4.45 – 5.15	Next Generation Internet and 4G Wireless: Lessons for next generation Internet we should learn from the wireless experience	Mihaela Ulieru, PhD, The University of New Brunswick, Canada Peter Chapman, Member, IET
5.15 – 5.45	Organizing Multiuser Operation in Centralized Wireless Networks	Mohamed Shaqfeh, Norbert Goertz and Stephen McLaughlin Institute for Digital Communications, The University of Edinburgh
5.45 – 6.15	Invited talk	Mihaela Ulieru, PhD The University of New Brunswick, Canada

WG3 Session 2		Wednesday, April 23 3:30pm – 5:00pm
Session Chair: Hua Huang (Huawei, China) – Room		
Cross-Layer Design		
Time	Title	Author
3.30 – 4.00	Designing Congestion Control for a Bottleneck WiMAX Network	Hanliu Chen, Oliver W. W. Yang and Yang Hong, CCNR Lab, School of Information Technology and Engineering University of Ottawa
4.00 – 4.30	Cross-Layer Optimization: Network Layer involvement	Dr. Oliver Holland, Toktam Mahmoodi, Vasilis Friderikos and A. Hamid Aghvami, Centre for Telecommunications Research, King's College London
4.30 – 5.00	Cross-Layer Optimization of the Link-Layer based on the Detected TCP Flavor	Toktam Mahmoodi, Oliver Holland, Vasilis Friderikos and A. Hamid Aghvami, Centre for Telecommunications Research, King's College London

WG3 Session 3		Thursday, April 24 09:00 – 10:30
Session Chair: Hua Huang (Huawei, China) – Room		
WhitePapers, Next Steps		
Time	Title	Author
9.00 – 9.30	Fibre Optic Networks for Distributed, Extendible Heterogeneous Radio Networks	Atilio Gameiro, Dept of Electronis and Telec. / Inst. Telec Paulo Monteiro, Nokia Siemens Networks
9.30 – 10.00	The proposal for future architecture	Jietao Zhang, Huawei,
10.00 – 10.30	White papers discussion	Hua Huang, Huawei Ming Li, China Mobile

## WG4 – New Air Interfaces, Relay based Systems and Smart Antennas

WG4 Session 1		
Tuesday, April 22 4:45pm – 6:15pm		
Session Chair: Angeliki Alexiou (Bell Labs, Alcatel-Lucent, UK) – Room		
Air Interface and MIMO		
Time	Title	Author
4.45 – 5.00	Turbo Equalization based Iterative Channel Estimation in SDMA SC-FDE Systems	Fayyaz Siddiqui, Florence Danilo-Lemoine, and David Falconer, Dept. of Systems and Computer Engineering Carleton University
5.00 – 5.15	Performance Evaluation of Multicast/Broadcast Single Frequency Network Operation in WCDMA.	Christoph Joetten, Qualcomm
5.15 – 5.30	Precoder Prediction for Mobile Closed-Loop MIMO in WiMax Systems	Masoud Ebrahimi, University of Waterloo/Nortel Networks, Mohammad Hadi Baligh, Nortel Networks, Ming Jia, Nortel Networks Jianglei Ma, Nortel Networks, Peiyong Zhu, Nortel Networks, Amir K. Khandani, University of Waterloo, Canada
5.30 – 5.45	Performance of Adaptive Codebook-based Transmit Beamforming Scheme for IMT-Advanced Cellular Systems	Jiann-An Tsai, Farooq Khan Wireless Solution Lab., Samsung Telecom America
5.45 – 6.00	Distributed MIMO Systems with Spatial Reuse for High-Speed Indoor Mobile Radio Access	Florian Römer, Martin Fuchs, Martin Haardt, Ilmenau University of Technology
6.00 – 6.15	Low-End and High-End Multiuser MIMO Communications	Gerhard Bauch and Guido Dietl DoCoMo Euro-Labs

WG4 Session 2		
Wednesday, April 23 3:30pm – 5:00pm		
Session Chair: Angeliki Alexiou (Bell Labs, Alcatel-Lucent, UK) – Room		
Invited talks		
Time	Title	Author
3.30 – 4.15	Invited talk	Prof. David Falconer
4.15 – 5.00	Invited talk	Hikmet Sari

WG4 Session 3		
Thursday, April 24 9:00am – 10:30am		
Session Chair: Angeliki Alexiou (Bell Labs, Alcatel-Lucent, UK) – Room		
System Deployment Optimization		
Time	Title	Author
9.00 – 9.15	WHERE – Wireless Hybrid Enhanced Mobile Radio Estimators	Simon Plass, German Aerospace Center (DLR)
9.15 – 9.30	Cellular Systems for Positioning: Capabilities and Challenges	Christian Mensing, German Aerospace Center (DLR),
9.30 – 9.45	System Design and Protocol Architectures for Relay Cooperation	Prabhakar Chitrapu,

	Schemes in 3GPP WCDMA-HSDPA Networks	InterDigital,
9.45 – 10.00	Overview of Advanced Multi-Hop Technologies in IEEE802.16j	Wen Tong, Peiyong Zhu, Hang Zhang, Gamini Senarath, Mark Naden, Nortel Networks
10.00 – 10.15	Statistics of downlink interference in multi-cell OFDMA systems	Zhouyue Pi, Samsung Telecommunications America, Hwanjoon (Eddy) Kwon, Jin-kyu Han, Donghee Kim, Daegyun Kim, Samsung
10.15 – 10.30	Cost Optimization of Cellular Network Deployments with Multiple Access Point Types	Marc Werner, Qualcomm CDMA Technologies GmbH,
10.30 – 10.45	Performance of Open Access Femtocells in 4G Macrocellular Networks	Steven Hall, Andy Jeffries, Simon Avis, Damian Bevan, Nortel Networks

<b>WG4 Poster Session</b>		<b>April 22-24</b>
<b>Session Chair: Angeliki Alexiou (Bell Labs, Alcatel-Lucent, UK) – Room</b>		
<b>Poster Session</b>		
<b>Title</b>	<b>Author</b>	
Enhancement Considerations to Medium Access Control for Energy Tradeoff in Wireless Sensor Networks	Fei Peng, Victor C.M. Leung, Electrical & Engineering Department, University of British Columbia, Canada	
Multicast Routing Protocol and MBS service architecture in WiMAX Multi-hop Relay Environment	Chengxuan He, School of Information Technology and Engineering (SITE), University of Ottawa, Canada	
Diversity Combining of Signals with Different Modulation Levels in Cooperative Relay Networks	Akram Bin Sediq and Halim Yanikomeroglu, Broadband Communications and Wireless Systems (BCWS) Centre, Department of Systems and Computer Engineering Carleton University, Ottawa, Canada	
One Cable Smart Antenna	Cornelius van Rensburg, Huawei	
MULTI – USER DOWNLINK PRECODING IN FDD SYSTEMS WITHOUT CHANNEL FEEDBACK	Martin Weis, Martin Haardt, Ilmenau University of Technology	
Pilotless Channel Tracking for Alamouti Coded OFDM systems	P. Ranjitha, K. Giridhar, Department of Electrical Engineering, IIT Madras , Chennai, India	

## WG5 – Short Range Radio Communication Systems

<b>WG5 Session 1</b>		<b>Tuesday, April 22, 4:45pm – 6:15pm</b>
<b>Session Chair: Dr. Marcos Katz, VTT, Finland</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
4.45 – 5.05	Indoor propagation measurement at visible light frequencies for wireless short range wireless communication application	Eun Tae Won, Jae Seung Son, Dae Seok Kim
5.05 – 5.25	Optical Wireless Communication: LOS/WLOS/DIF propagation model and QOFI software	Olivier Bouchet, Mathieu Bertrand, Pascal Besnard
5.25 – 5.45	Visible Light Communications: possibilities and challenges	Hoa Le Minh, Dominic O'Brien.
5.45 – 6.00	Planning <b>New White Papers</b> : Initial Discussions	All Interested Partners



WG5 Session 2		Wednesday, April 23 3:30pm – 5:00pm
Session Chair: Dr. Marcos Katz, VTT, Finland		
Time	Title	Author
3.30 – 3.50	Enhancement Considerations to Medium Access Control for Energy Tradeoff in Wireless Sensor Networks	Fei Peng, Victor C.M. Leung, University of British Columbia, Canada
3.50 – 4.10	PAPR Reduction in MIMO-OFDM systems using pilot tones	Parvathy Ramah Venkatasubramanian
4.10 – 4.30	UWB Wide-Slot antenna with exponential matching	Masoud Mashhour Mohamed El-Tanany
4.30 – 5.00	<b>New White Papers:</b> WG5Book Discussions on the new white papers continues - Other subjects of interest for white papers - Book: status and further actions	Kari Kaliojarvi, Nokia, Finland

WG5 Session 3		Thursday April 24 9.00 – 11.30
Session Chair: Dr. Marcos Katz, VTT, Finland		
Time	Title	Author
9.00 – 9.20	MB OFDM over UROOF Channel	M. Ran, Y. Ben-Ezra, B. Lembrikov
9.20 – 9.40	60GHz Radio-over-Fiber Techniques for 10Gb/s Broadband Wireless Transmission	Andreas Stöhr et al.
9.40 – 10.00	Social Networking Service) using BAN(Body Area Network	Seung-Hoon Park et al.
10.00 – 10.20	EASY-A Gigabit WLAN project	Rolf Kraemer
10.20 – 10.40	Radio engineering for HDR WPAN MAGNET Air interfaces	I. Siaud, Ulmer-Moll A.M., N. Malhouroux
10.40 – 11.30	DEMO (Shown at the hall (close to the space for the coffee-break): (a)UWB over 60 GHz (b) UWB over RoF	(a) Rolf Kraemer, Anne-Marie Ulmer-Moll Isabelle Siaud (b) Moshe Ran et al.

## WG6 – Cognitive Wireless Networks and Systems

WG6 Session 1		Tuesday, April 22, 4:45pm – 6:15pm
Session Chair: Panagiotis Demestichas (University of Piraeus, Greece)		
Time	Title	Author
4.45 – 4.55	Welcome, structure of meeting	Panagiotis Demestichas
4.55 – 5.25	End-to-End Efficiency: Introducing Cognitive Systems in the B3G World	Alessandro Trogolo, TILAB, Italy
5.25 – 5.55	Cognitive Radio for WiMAX : The IEEE 802.16h	John Sydor, CRC Labs, Canada

5.55 – 6.15	Flexible Spectrum Use: Centralized or Distributed Control	Kari Kalliojarvi, Nokia, Finland
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WG6 Session 2		
Wednesday, April 23 3:30pm – 5:00pm		
Session Chair: Panagiotis Demestichas (University of Piraeus, Greece) – Alessandro Trogolo (TILAB, Italy)		
Time	Title	Author
3.30 – 4.00	Cognitive radio aspects of the IEEE 802.22 standard	Gerald Chouinard, CRC Labs, Canada
4.00 – 4.20	Cognitive Access Points for Dynamic Radio Resource Management in Wireless LAN over Fiber Systems	Victor Leung Haoming Li Qixiang Pang, University of British Columbia, Canada
4.20 – 4.40	Strategic Flexibility of Competitions in Open-Access Cognitive Wireless Networks	Jun Yuan, Nortel, Canada
4.40 – 5.00	Support for heterogeneous standards: E3 WP5 overview	Alessandro Trogolo, TILAB, Italy

WG6 Session 3		
Thursday April 24 9:00 – 10:30		
Session Chair: Panagiotis Demestichas (University of Piraeus, Greece) – Alessandro Trogolo (TILAB, Italy)		
Time	Title	Author
9:00 - 9:30	Requirements for Protocols in Cognitive Radio Networks	Victor Leung, University of British Columbia, Canada
9:30 – 9:50	Cognitive radios for White Space	David Steer, Nortel, Canada
9:50 – 10.10	SDR Solutions for Mobile Terminals and their extension to cognitive radio	Antoine Dejonghe, IMEC, Belgium
10:10 – 10:30	Implementation of Cognitive Pilot Channel	Pascal Cordier, Orang- France Telecom, France
10:30 – 10:40	Discussion on goals, publications, white papers	All

## SIG 1 – Spectrum Topics

SIG1 Session 1	
Tuesday, April 22 3.45pm – 4.45pm	
Session Chair: Politis, Christos	
<b>Panel: Cognitive Radio: Hype or Reality?</b>	
<b>Participants:</b>	
- Dr Klaus Moessner, University of Surrey, UK (Research Directions in CR)	
- Kari Kalliojarvi, Nokia, Finland (Development issues)	
- Ms Cindy Cook, IC, Canada (Canada's prespectives on CR)	
- Dr Christos Politis, Kingston University, UK (Regulatory Issues)	

<b>SIG1 Session 2</b>		<b>Thursday, April 24 11.00am – 12.30pm</b>
<b>Session Chair: Politis, Christos</b>		
White Paper 1: Spectrum Issues in the post WRC'07 Era, Carl Wijting, Christos Politis		
White paper 2: Spectrum Sensing and Interference Characterization, Christos Politis, Carl Wijting		

## SIG 2 – Security and Trust

<b>SIG2 Session 1</b>		<b>Tuesday, April 22 3.45pm – 4.45pm</b>
<b>Session Chair: Marcus Wong, Huawei (Vice-Chair)</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
<b>3.45 – 4.05</b>	<b>SIG2 Elections</b>	
4.05 – 4.25	Using Chat-Bots for Security Training of ICT Users	Stewart Kowalski, Security and Risk Manager Business Unit Global Services, Ericsson AB
4.25 – 4.45	An Adaptive security Protocol for interworking in the heterogeneous broadband wireless network	Jing Chen, Marcus Wong, Yixian Xu, Huawei, Ling Tie, Shanghai Jiao Tong University

<b>SIG3 Session 2</b>		<b>Thursday 24<sup>th</sup> April 11:00am – 12:30pm</b>
<b>Session Chair: Marcus Wong, Huawei (Vice-Chair)</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
<b>Invited Talks</b>		
11:00 – 11:20	Design guidelines for the security and user aspects of future networked systems	Seppo Heikkinen, Tampere University of Technology
11:20 – 11:40	Securing the Enigma of mobile wireless	Ganapathy Sundaram, Mobility R&D, Alcatel-Lucent
11:40 – 12:00	A Survey of WiMAX Security	Avi Lior, Bridgewater Systems Corporation
12:00 – 12:20	Security Opportunities in Cross-Layer Design	Anil Somayaji, Carleton University, Ottawa
12:20 – 12:30	Wrap up and Outlook	Marcus Wong, Huawei

## SIG 3 – Self-Organization in Wireless World Systems

<b>SIG3 Session 1</b>		<b>Tuesday, April 22 3.45pm – 4.45pm</b>
<b>Session Chair: New Elected Chair (Interim Dr. Sudhir Dixit)</b>		
<b>Time</b>	<b>Title</b>	<b>Author</b>
<b>3.45 – 4.05</b>	<b>SIG3 Elections</b>	
4.05 – 4.25	Self-configuration, -optimization and -healing in wireless networks	L.C. SCHMELZ (Nokia Siemens Networks, Munich, Germany) J.L. VAN DEN BERG, R. LITJENS (TNO ICT, Delft, The Netherlands) A. EISENBLÄTTER (Atesio, Berlin, Germany) M. AMIRIJOO, O. LINNELL (Ericsson, Linköping,

		Sweden) C. BLONDIA (IBBT, Gent-Ledeberg, Belgium) T. KÜRNER (TU Braunschweig, Braunschweig, Germany) N. SCULLY (Vodafone, Newbury, United Kingdom) J. OSZMIANSKI (Nokia Siemens Networks, Wroclaw, Poland)
4.25 – 4.45	Self-organization in IEEE802.16: Hope for developing world	Ntsibane Ntlatlapa (CSIR - Meraka Institute, South Africa)

<b>SIG3 Session 2</b>			<b>Thursday, April 24 11.00am – 12.30pm</b>		
<b>Session Chair: New Elected Chair (Interim Sudhir Dixit)</b>					
<b>Time</b>	<b>Title</b>		<b>Author</b>		
11.00 – 12.00	White Paper Discussion – “Self-organization in future mobile communication networks”		Heejung Byun (Editor), Samsung Advanced Institute of Technology, South Korea		
12.00 – 13.30	Future White Papers and Discussion on the continuation of the SIG		New Chair		

## **SIG4 – Convergence in Home and Enterprise Networks**

<b>SIG4 Session 1</b>			<b>Tuesday, April 22 3.45pm – 4.45pm</b>		
<b>Session Chair: Hua Huang (Huawei, China) – Room</b>					
<b>WhitePapers, Next Steps</b>					
<b>Time</b>	<b>Title</b>		<b>Author</b>		
3.45 – 4.45	Future White Papers and Discussion on the continuation of the SIG		New Chair		