

WEDNESDAY, SEPTEMBER 20				
10.00-14.00	WORKSHOPS	Workshop Measurements and Testing in RFID Workshop speaker: Jesse Tuominen, Voyantic		
10.00-18.00	REGISTRATION			
14.00-18.00	EXHIBITION			
14.00-14.30		Coffee break and visiting the exhibition		
14.30 - 15.00		Opening Ceremony - Emily Sopensky, IEEE, Stanisław Krzyżaniak, Institute of Logistics and Warehousing, Prof. Józef Modelski, General Chair, Warsaw University of Technology		
15.00-15.30		Elżbieta Hałas, CEO GS1 Poland		
15.30-16.00		Coffee break and visiting the exhibition		
16.00-16.25	PLENARY SESSION	Ramin Sadr, Ph.D. - MOJIX		
16.25-16.50		Prof. Jarogniew Rykowski, Poznań University of Economics, Department of Information Technology Is radio-based identification trusted?		
17.00-18.30	WELCOME RECEPTION			
THURSDAY, SEPTEMBER 21				
9.30-17.30	EXHIBITION & POSTER			
9.30-9.40		Antenna & Propagation	Applications & Software	Special session: RFID Systems for positioning, tracking and navigation
9.40-10.05		Sub-coil in reader antenna for HF RFID volume detection improvement - Marjorie Grzeskowiak; Antoine M Diet; Benamara Megdouda; Patrick Poulichet; Marc Biancheri-Astier; Yann Le Bihan; Christophe Conessa; Francisco Alves; Stephane Protat; Gaelle Lissorgues	Low-cost, automated inventory control of sharps in operating theaters using passive RFID tag-sensors - Sai Nithin Reddy Kantareddy; Rahul Bhattacharyya; Sanjay Sarma	High-Accuracy Localization of Backscattering UWB Tags: Implementation and Experimental Results - Jurgis Aleksandravicius; Nicolò Decarli; Anna Guerra; Davide Dardari
10.05-10.30	THEMATIC SESSIONS (held simultaneously)	Design of 1cm ² coils for HF RFID instruments tracking with detection range improvement - Antoine M Diet; Marjorie Grzeskowiak; Marc Biancheri-Astier; Benamara Megdouda; Yann Le Bihan; Gaelle Lissorgues; Christophe Conessa; Francisco Alves	The use of RFID technology to control a 3D model realising the gamification paradigm - Dariusz Czerwinski; Marek Milosz; Jerzy Montusiewicz; Mikhail Tokovarov	SARFID on Drone: Drone-based UHF-RFID Tag Localization - Alice Buffi; Paolo Nepa; Riccardo Cioni
10.30-10.55		HF RFID Transponder with Capacitive Coupling - Takanori Washiro	Application of the RFID technology in the European Union border control system - P. Bilski, B. Kościug, J. Modelski	UHF-RFID Smart Gate: Tag Action Classifier by Artificial Neural Networks - Alice Buffi; Eleonora D'Andrea; Beatrice Lazerini; Paolo Nepa
11.00-11.30		Coffee break and visiting the exhibition		
11.30-11.40		Antenna & Propagation	Applications & Software	Special session: RFID Systems for positioning, tracking and navigation
11.40-12.05		Performance Improvements of Multicast RFID Systems using Phased Array Antennas and Phase Diversity - Ajeck M Ndifon; Michael J Crisp; Richard Penty; Ian White	The PITAGORA project: Near Field Communication to improve Passenger Experience in airports - Alessandro Pozzebon	3D location system based on attitude estimation with RFID technology - Guillermo Alvarez Narciandi; Jaime Laviada; Marcos R. Pino; Fernando Las-Heras
12.05-12.30	THEMATIC SESSIONS (held simultaneously)	First path component delay measurements in UWB positioning system - Jerzy Kolakowski; Vitomir Djaja-Josko	A Near-field RFID Sensor Network for the Realtime Monitoring of Tire Vulcanization - Simone Nappi; Nicola D'Uva; Sara Amendola; Cecilia Occhiuzzi; Gaetano Marrocco	Localization of a mobile device equipped with an RFID reader - Andrea Motroni; Alice Buffi; Paolo Nepa
12.00-13.00		POSTER SESSION		
13.00-14.00		Lunch		
14.00-14.30		Jukka Voutilainen, VOYANTIC		
14.30-15.00	PLENARY SESSION II	Henry Barthel, GS1 Global Office		
15.00-15.30		HADATAP		
15.30-16.00		Coffee break and visiting the exhibition		
16.00-16.10		Circuits, Devices & Readers	Applications & Software	IoT & Smart Cities
16.10-16.35		Energy Harvesting for Wireless Sensors from Electric Field of Power Lines - Irina Vendik; Iveta Steblevska; Vladimir Gerasimov; Sergey Dudnikov; Lev Selivanov; Andrey A Uhov	Application of RFID technologies in logistics centres to improving operations of courier firms - Tomasz Szczepanik; Beata Skowron-Grabowska	Intelligent Steel Inventory Tracking with IoT / RFID - Fredy Valente; A Colenci, Neto
16.35-17.00	THEMATIC SESSIONS (held simultaneously)	A Compact Dual Band RFID Metal Tag with Orthogonal Polarizations at ETSI and FCC bands - Jingtian Xi; Chi-Lun Mak	Assessment of RFID technology performance in fertilizers environment - Bartłomiej Gladysz; Cezary Lysiak; Michal Grabia; Tomasz Markowski	Flying Sensors: Merging Nano-UAV with Radiofrequency Identification - Michela Longhi; Gaetano Marrocco
17.00-17.25		A switched reader complementary-loops structure for detecting LF RFID tagged pebbles - Antoine M Diet; Marjorie Grzeskowiak; Yann Le Bihan; Marc Biancheri-Astier; Benamara Megdouda; Koffi Gbafa; Christophe Conessa; Gaelle Lissorgues; Francisco Alves; Alessandro Pozzebon	Multi-dimensional identification of things, places and humans - Jarogniew Rykowski	Iterative Decoding of Joint Data, Time Varying Unknown Symbol Timing Duration and Phase Tracking for Wireless Sensor Networks and RFID Systems - Ramin Sadr
17.30		CLOSING FIRST DAY		
20.00-22.30		GALA DINNER & Award Ceremony		
FRIDAY, SEPTEMBER 22				
9.30-16.30	EXHIBITION & POSTER			
9.30-9.40		Circuits, Devices & Readers	Sensors	Protocols & Security
9.40-10.05		Characterizing Chip's Behavior of HF RFID Cards during Load Modulation - Shrief Rizkalla; Ralph Prestros; Christoph F Mecklenbräuer	An Epidermal Graphene Oxide-based RFID Sensor for the Wireless Analysis of Human Breath - Maria Cristina Caccami; Carolina Miozzi; Mohammad Yusuf Shafi Mulla; Corrado Di Natale; Gaetano Marrocco	Enhancing Privacy for Passive UHF RFID using an SDR-based Reactive Jammer - Alexander Bothe; René Helmke; Nils Aschenbruck
10.05-10.30	THEMATIC SESSIONS (held simultaneously)	A Power Management Scheme for Wirelessly-Powered RFID Tags with Inkjet-Printed Display - Yi Jin; Jue Shen; Majid Baghaei Nejad; Li Xie; Zhuo Zou; Jia Mao; Hannu Tenhunen; Liorong Zheng	Supply Sensitivity Analysis for Low-Power Time-Domain Temperature Sensor in RFID Application - Jun Tan; Georg Gläser	Adjustable Security for RFID-Equipped IoT Devices - Thomas Hänel; Alexander Bothe; René Helmke; Christoph Gericke; Nils Aschenbruck

10.30-10.55		Comparative Analysis of Tag Estimation Algorithms on RFID EPC Gen-2 Performance - Arundhoti Ferdous; Ismail Uysal; Nanda Gopal Jeevarathnam		Lightweight Highly Secure PUF Protocol for Mutual Authentication and Secret Message Exchange - Tarek Idriss; Magdy Bayoumi
11.00-11.30	Coffee break and visiting the exhibition			
11.30-11.40	THEMATIC SESSIONS (held simultaneously)	Antenna & Propagation	Sensors	Protocols & Security
11.40-12.05		Moving Object Detection based on TV based Passive Radar and Its Application to RFID Cane - Xin Chen; Kam Weng Tam; Biao Chen	Chipless RFID Sensor for Rotation Monitoring - Simone Genovesi; Filippo Costa; Michele Borgese; Francesco Alessio Dicandia; Agostino Monorchio; Giuliano Manara	A Highly Reliable Dual-Arbitrator PUF for Lightweight Authentication Protocols - Haytham Idriss; Tarek Idriss; Magdy Bayoumi
12.05-12.30		Design of a 3D-Printed Circularly Polarized Antenna for Portable UHF RFID Readers - Riccardo Colella; Luca Catarinucci; Andrea Michel; Paolo Nepa	24microWatt 26m Range Batteryless Backscatter Sensors with FM Remodulation and Selection Diversity - Georgios Vougioukas; Aggelos Bletsas	Design of a DASH7 low power wireless sensor network for Industry 4.0 applications - Tomasz Markowski; Michal Grabia; Jakub Mruczkiewicz; Krzysztof Plec
12.30-12.55		Detection of Moving Chipless Tags by Using SAR Processing - Filippo Costa; Michele Borgese; Simone Genovesi; Luca Buoncristiani; Antonio Gentile; Francesco Alessio Dicandia; Agostino Monorchio; Giuliano Manara	Experimental Study of Human Body Effect on Temperature Sensor Integrated RFID Tag - Kai Wang; Andrey S Andrenko; Ahmed Rasheed; Emad Iranmanesh	Sneakernet on Wheels: Trustworthy NFC-based Robot to Machine Communication - Thomas Ulz; Thomas W Pieber; Christian Steger; Sarah Haas; Rainer Matischek
13.00-14.00	Lunch			
14.00-14.10	THEMATIC SESSIONS (held simultaneously)	Antenna & Propagation	RFID Systems for positioning, tracking and navigation	Circuits, Devices & Readers
14.10-14.35		On designing an underground induction antenna for vehicle identification - Mikhail Molchanov; Aleksandr Polynkin; Igor Matsur; Iurii Adiakin	Study of Disturbances of LF-RFID based Indoor Positioning Systems - Vighnesh Gharat; Elizabeth Colin; Geneviève Baudoin; Damien Richard	Long Distance Passive UHF RFID System over Ethernet Cable - Zhe Fu; Michael J Crisp; Shuai Yang; Richard Penty; Ian White
14.35-15.00		Better Performance of Wireless Systems Using WPT Instead of FFT in Standard RA6 Fading Channels - Saeed Ghazi Maghrebi; Farbaian Khordadpoor-Deylamani	Kalman Filter based localization in hybrid BLE-UWB positioning system - Marcin Kolakowski	Antenna Miniaturization Using Loop and Dielectric Resonator - Khan Masood Parvez, Sk. Moinul Haque
15.00-15.25		A special triangular constellation for the OFDM systems-based in high fading channel - Saeed Ghazi Maghrebi		
15.30-15.45	CLOSING SESSION			
15.45-16.30	Coffee break and visiting the exhibition			

POSTER SESSION:	
1	Designing a near-field RFID antenna head for orthogonal performance - Ian Pratt; Shiyun Zhong
2	Simulation method of reliability evaluation for RFID based restricted access administrative office - Tadeusz Nowicki; Robert Waszkowski; Kazimierz Worwa; Dariusz Pierzchala; Krzysztof Chlebicki
3	A new method for shifted anchor coordinates retrieval in UWB positioning system - Vitomir Djaja-Josko; Jerzy Kolakowski
4	Array Sub-Loops Reader Antenna for HF RFID Tracking - Benamara Megdouda; Marjorie Grzeskowiak; Miyassa Salhi; Antoine M Diet; Yann Le Bihan; Gaelle Lissorgues
5	RFID Sensing Networks for Critical Infrastructure Security: a real testbed in an Energy Smart Grid - Sara Amendola; Cecilia Occhiuzzi; Gaetano Marrocco
6	Design and COMSOL Simulation of Koch Snowflake Dipole Fractal Antennas - Ian Madray; Ryan Kuemper; Jacob Martin; Mohammad Madani
7	COMSOL Simulations of DCSRR with Band-Pass and Band-Stop Characteristics - Ian Madray; Ryan Kuemper; Jacob Martin; Mohammad Madani
8	Improving the Processes of Music Events with Radio Frequency Identification- A Case Study - Gregor Friedrich-Baasner; David Heim; Matthias Hauser; Wolfgang Gramer; Axel Winkelmann