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Peer-reviewed Journal Articles

Articles in Regular Issues

- J20 **IEEE Transactions on Signal Processing** (Conditionally Accepted) **2010**
Davide Macagnano and Giuseppe Thadeu Freitas de Abreu: "Gershgorin Analysis of Random Gramian Matrices with Application to MDS Tracking," *IEEE Transactions on Signal Processing*.
- J19 **IEEE Transactions on Communications** **2010**
Giuseppe Thadeu Freitas de Abreu: "On the Moment-Determinance and Random Mixture of Nakagami- m Variates," *IEEE Transactions on Communications*, September 2010.
- J18 **IEEE Transactions on Consumer Electronics** **2010**
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu, Hiroshi Harada and Ryuji Kohno: "STBCs with Orthogonal Decoder for Highly Time-Selective Channels" *IEEE Transactions on Consumer Elec.*, vol. 56, no.2, pp. 380 - 387, May 2010.
- J17 **IEEE Transactions on Communications** **2009**
Giuseppe Thadeu Freitas de Abreu: "Jensen-Cotes Bounds on the Gaussian Q -function and Related Functions," *IEEE Transactions on Communications*, vol. 57, no. 11, pp. 3328 - 3338, September, 2009.
- J16 **IEEE Transactions on Wireless Communications** **2009**
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Weighing Strategy for Network Localization under Scarce Ranging Information," *IEEE Transactions on Wireless Communications*, vol. 8, no. 7, pp. 3668 - 3678, June 2009.
- J15 **IEEE Transactions on Wireless Communications** **2009**
Behrouz Maham, Are Hjørungnes and Giuseppe Thadeu Freitas de Abreu: "Distributed GABBA Space-Time Codes in Amplify-and-Forward Relay Networks," *IEEE Transactions on Wireless Communications*, vol. 8, no. 4, pp. 2036 - 2045, April 2009.
- J14 **IEEE Transactions on Vehicular Technologies** **2008**
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Modified Orthogonal Space-Time Block Codes for Time-Selective Fading Channels" *IEEE Transactions on Vehicular Technologies*, vol. 57, no. 6, pp. 3921-3927, November 2008.
- J13 **IEEE Transactions on Communications** **2008**
Giuseppe Thadeu Freitas de Abreu: "On the Generation of Tikhonov Random Variates," *IEEE Transactions on Communications*, vol. 56, no. 7, pp. 1157-1168, July 2008.
- J12 **IEEE Transactions on Signal Processing** **2005**
Giuseppe Thadeu Freitas de Abreu: "Closed-form Correlation Functions of Generalized Hermite Wavelets," *IEEE Transactions on Signal Processing*, vol. 53, No. 6, pp. 2258 - 2261, June 2005.
- J11 **IEEE Transactions on Antennas and Propagations** **2003**
Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "A Modified Dolph-Chebyshev Approach for the Synthesis of Low Sidelobe Beampatterns with Adjustable Beamwidth," *IEEE Transactions of Antennas and Propagations*, vol. 51, Issue 10, pp. 3014 -3017, October 2003.

Articles in Special Issues

- J10 **IEICE Transactions on Communications** **2008**
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno, "Cumulative Decision Feedback Technique for Energy Constrained Wireless Sensor Networks", *IEICE Trans. on Communications - Special Issue on Emerging Technologies for Practical Ubiquitous and Sensor Nets.*, Vol.E91-B, No.10, pp. 3768 - 3774, Oct. 2008.

- J9 **IEICE Trans. on Fundamentals of Electronics, Commun. and Computer Sciences 2006**
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "An Adaptive Frame-based Interpolation Method of Channel Estimation for Space-Time Block Codes in Moderate Fading Channels," *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences - Special Issue on Multidimensional Signal Processing and its Applications*, vol.E89-A, No.3, pp.660-669, March 2006.
- J8 **EURASIP Journal on Applied Signal Processing 2005**
Giuseppe Thadeu Freitas de Abreu, Craig John Mitchell and Ryuji Kohno: "Jitter-Robust Orthogonal Hermite Pulses for Ultra Wideband Impulse Radio Communications," *EURASIP Journal on Applied Signal Processing - Special Issue on Ultra-Wideband State of the Art*, No.3, pp. 369-381, March, 2005.
- J7 **IEICE Trans. on Fundamentals of Electronics, Commun. and Computer Sciences 2005**
Craig John Mitchell, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Adaptive RAKE Receivers with Subspace-based Hadamard-Hermite Template Design for UWB Communications," *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences - Special Issue on Ultra Wideband Systems*, vol.E88-A, No.9, pp.2327-2338, September 2005.
- J6 **IEE Proceedings on Communications 2004**
Giuseppe Thadeu Freitas de Abreu, Hideki Ochiai and Ryuji Kohno: "Linear Maximum Likelihood Decoding of Space-Time Block Coded OFDM Systems for Mobile Communications," *IEE Proc. on Communications - Special Issue on Wireless LAN Systems and Internetworking*, vol. 151, No. 5, pp. 447-459, October 2004.
- J5 **KICS Journal on Communications and Networks 2003**
Giuseppe Thadeu Freitas de Abreu, Craig John Mitchell and Ryuji Kohno: "On the Design of Orthogonal Pulse-Shape Modulation for UWB Systems Using Hermite Pulses," *KICS Journal on Communications and Network - Special Issue on Ultra-Wideband Communications*, vol. 5, no. 4, pp. 328-343, December 2003.
- J4 **IEICE Trans. on Fundamentals of Electronics, Commun. and Computer Sciences 2003**
Tadatomo Sato, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Beamforming Array Antenna with Heterogeneous Signal Distribution," *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences - Special Issue on Wideband Systems*, vol. J86-A, no. 12, pp.1302-1309, December, 2003.
- J3 **IEICE Trans. on Fundamentals of Electronics, Commun. and Computer Sciences 2003**
Koji Ishii, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Beam-Space Time Coding Exploiting Overlap Among Beampatterns," *IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences - Special Issue on Information Theory and Its Applications*, vol. E86-A, no. 10, pp.2501-2509, Oct. 2003.
- J2 **International Journal of Wireless Information Networks - Invited - 2003**
Craig John Mitchell, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Combined Pulse Shape and Pulse Position Modulation for High Data Rate Transmissions in Ultra-Wideband Communications" *Intl. Journal of Wireless Inform. Networks - Special Issue on Ultra-Wideband Systems*, vol. 10, no. 4, pp. 167-178, Oct. 2003.
- J1 **IEICE Transactions on Communications 2001**
Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Adaptively Sampled Near Field Smart Array Antenna for Indoors Wireless Communications," *IEICE Transactions on Communications - Special Issue on Adaptive Array Antenna Tech. for Adv. Wireless Communications*, vol. E84-B, no. 7, pp. 1743-1759, Jul. 2001.

Publications at Large

Book Chapters

- BC3 **Communications and Networking 2010**
Giuseppe Thadeu Freitas de Abreu, Giuseppe Destino and Davide Macagnano "Wireless Network Location and Tracking: Theory and Algorithms," in *Communications and Networking*, Sciyo Publishers, Oct. 2010.
- BC2 **4G Mobile & Wireless Communications Technologies 2008**
Davide Macagnano, Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Metric Multidimensional Scaling for Localization and Tracking," in *4G Mobile & Wireless Communications Technologies*, Sofoklis A. Kyriazakos, George T. Karetsos and John Soldatos (Editors), River Publishers, pp. 285-295, 2008
- BC1 **Ultra-Wideband Wireless Communications and Networks 2006**
Kegen Yu, Harri Saarnisaari, Jean-Philippe Montillet, Alberto Rabbachin, Ian Oppermann and Giuseppe Thadeu Freitas de Abreu: "Localization," in *Ultra-Wideband Wireless Communications and Networks*, Xuemin Shen, Mohsen Guizani, Robert C. Qiu and Tho Le-Ngoc (Editors), pp.279 - 296, John Wiley, Feb. 2006

White Paper

- W1 **eMobility Technology Platform 2010**
Behnaam Aazhang, Giuseppe Thadeu Freitas de Abreu, Ulrico Celentano, Marian Codreanu, Sudhir Dixit, Markku Juntti, Matti Latva-aho, Wei Li, Anna Pantelidou, Rahim Tafazolli: "Broadband Mobile Systems," in *eMobility Technology Platform - Expert Working Group EWG6 (White Paper)* http://www.emobility.eu.org/SRA/Documents/eMOB_Broadband_WHITE_PAPER.pdf

International Patents

- P2 **Sony Co., Japan** 2004
Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno
"A Method to Design Low Sidelobe, Beam-width-Adjustable Array Patterns and Applications," US Patent no. 6784835-B2, August 2004.
- P1 **Sony Co., Japan** 2002
Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Method and Device for Using Array Antenna to Estimate the Direction of Sources in Near Field", US Patent no. 2002/0027526-A1 March, 2002.

Peer-reviewed Conference Articles

- C98 **IEEE ICC - Kyoto, Japan (Submitted)** 2010
Giuseppe Thadeu Freitas de Abreu, Wensheng Zhang and Yukitoshi Sanada, "Spectrum Sensing Algorithms via Finite Random Matrix Theory," *Proc. IEEE International Conference on Communications - Cognitive Radio and Networks Symposium*, (ICC 2011), June 5-9, 2011.
- C97 **Symposium of IEICE Societies (Fall) - Tokyo, Japan - Invited -** 2010
Wensheng Zhang, Mamiko Inamori, Yukitoshi Sanada and Giuseppe Thadeu Freitas de Abreu: "Blind Spectrum Sensing Based on the Demmel Condition Number of Complex Wishart Matrices," *Symposium of the IEICE Society on Fundamentals of Electronics, Communications and Computer Science*, Tokyo, Japan, September 14-17, 2010.
- C96 **IEEE Asilomar - Monterey, USA (Accepted)** 2010
Giuseppe Thadeu Freitas de Abreu, Wensheng Zhang and Yukitoshi Sanada, "Finite Random Matrices for Blind Spectrum Sensing," *Proc. IEEE Forty-Fourth Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2010), November 7-10, 2010.
- C95 **IEEE Asilomar - Monterey, USA (Accepted)** 2010
Golaleh Rahmatollahi and Giuseppe Thadeu Freitas de Abreu: "Routing Policy-Dependent Hop-Count Distribution in Wireless Ad Hoc Networks," *Proc. IEEE Forty-Fourth Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2010), November 7-10, 2010.
- C94 **IEEE Asilomar - Monterey, USA (Accepted)** 2010
Davide Macagnano and Giuseppe Thadeu Freitas de Abreu: "Multitarget Tracking with the Cubature Kalman Probability Hypothesis Density Filter," *Proc. IEEE Forty-Fourth Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2010), November 7-10, 2010.
- C93 **IEEE Asilomar - Monterey, USA (Accepted)** 2010
Davide Macagnano and Giuseppe Thadeu Freitas de Abreu: "Statistical Spectral Analysis of Random Gramian Matrices," *Proc. IEEE Forty-Fourth Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2010), November 7-10, 2010.
- C92 **IEEE Chinacom - Beijing, China - Invited -** 2010
Qiang Xue and Giuseppe Thadeu Freitas de Abreu: "Mutual Information of Amplify-and-Forward Relaying with Partial Relay Selection," *Proc. IEEE 5th International ICST Conference on Communications and Networking in China*, (Chinacom 2010), August 25-27, 2010.
- C91 **IEEE SPAWC - Marrakech, Morocco** 2010
Qiang Xue and Giuseppe Thadeu Freitas de Abreu: "Optimization of Mutual Information of Amplify-and-Forward DSTBCs over the Random Set Relay Channel," *Proc. IEEE Signal Processing Advances in Wireless Communications*, (SPAWC 2010), June 20-23, 2010.
- C90 **IEEE WPNC - Dresden, Germany** 2010
Golaleh Rahmatollahi and Giuseppe Thadeu Freitas de Abreu: "Policy-dependent Multi-hop Distances in Linear Ad Hoc Networks," *Proc. IEEE Workshop on Positioning Navigation and Communication*, (WPNC 2010), March 11, 2010.
- C89 **IEEE WPNC - Dresden, Germany** 2010
Davide Macagnano and Giuseppe Thadeu Freitas de Abreu: "Gershgorin Discs of Gramian Matrices for Target Tracking," *Proc. IEEE Workshop on Positioning Navigation and Communication*, (WPNC 2010), March 11, 2010.
- C88 **IEEE WPNC - Dresden, Germany** 2010
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Improving Source Localization in NLOS Conditions via Ranging Contraction," *Proc. IEEE Workshop on Positioning Navigation and Communication*, (WPNC 2010), March 11, 2010.
- C87 **IEEE WPNC - Dresden, Germany** 2010
Stefano Severi, Giuseppe Thadeu Freitas de Abreu and Davide Dardari: "A Quantitative Comparison of Multihop Localization Algorithms," *Proc. IEEE Workshop on Positioning Navigation and Communication*, (WPNC 2010), March 11, 2010.

- C86 **IEEE Asilomar - Monterey, USA** **2009**
Giuseppe Thadeu Freitas de Abreu: "Super-tight Algebraic Bounds on $Q(x)$," *Proc. IEEE Fourty-Third Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2009), November 1-4, 2009.
- C85 **IEEE Asilomar - Monterey, USA - Short-listed for Best Paper Award -** **2009**
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Reformulating the Least-Square Source Localization Problem with Contracted Distances," *Proc. IEEE Fourty-Third Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2009), November 1-4, 2009.
- C84 **IEEE Asilomar - Monterey, USA** **2009**
Stefano Severi, Giuseppe Thadeu Freitas de Abreu, Giuseppe Destino and Davide Dardari: "Efficient and Accurate Localization in Multihop Networks," *Proc. IEEE Fourty-Third Asilomar Conference on Signals, Systems and Computers*, (Asilomar 2009), November 1-4, 2009.
- C83 **IEEE Globecom - Honolulu, USA** **2009**
Pedro Nardelli and Giuseppe Thadeu Freitas de Abreu: "On Hopping Strategies for Autonomous Wireless Networks," *Proc. IEEE Global Conference on Telecommunications* (Globecom 2009), 30 November 30th - 4 December, 2009.
- C82 **IEEE Globecom - Honolulu, USA** **2009**
Stefano Severi, Giuseppe Thadeu Freitas de Abreu, Giuseppe Destino and Davide Dardari: "Understanding and Solving Flip-Ambiguity in Network Localization via Semidefinite Programming," *Proc. IEEE Global Conference on Telecommunications* (Globecom 2009), 30 November 30th - 4 December, 2009.
- C81 **IEEE PIMRC - Tokyo, Japan** **2009**
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Advanced Location-Tracking Systems in Home, Automotive and Public Transportation Environments," in *Proc. IEEE Personal Indoor Mobile Radio Communications* (PIMRC 2009), September 13-16, 2009.
- C80 **IEEE PIMRC - Tokyo, Japan** **2009**
Davide Macagnano and Giuseppe Thadeu Freitas de Abreu: "Weighting Strategy for MDS Tracking in LoS Conditions," in *Proc. IEEE Personal Indoor Mobile Radio Communications* (PIMRC 2009), September 13-16, 2009.
- C79 **IEEE ICC - Dresden, Germany** **2009**
Giuseppe Thadeu Freitas de Abreu: "Arbitrarily Tight Bounds on the Gaussian Q -function and Related Functions," *Proc. IEEE International Conference on Communications - Communication Theory Symposium* (ICC 2009), June 14-18, 2009.
- C78 **IEEE ICC - Dresden, Germany** **2009**
Pedro Nardelli, Giuseppe Thadeu Freitas de Abreu and Paulo Cardieri: "Multi-Hop Aggregate Information Efficiency in Wireless Ad Hoc Networks," *Proc. IEEE International Conference on Communications - Communication Theory Symposium*, June 14-18, 2009.
- C77 **IEEE ICC - Dresden, Germany** **2009**
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Solving the Source Localization Problem via Global Distance Continuation," *Proc. IEEE International Conference on Communications - Workshop on Synergies in Communications and Localization* (ICC 2009), June 14-18, 2009.
- C76 **IEEE ITW - Volos, Greece** **2009**
Qiang Xue, Giuseppe Thadeu Freitas de Abreu and Behnaam Aazhang: "Mutual Information of AF-DSTBCs over the Random Set Relay Channel," *Proc. IEEE Information Theory Workshop* (ITW 2009) June 10-12, 2009.
- C75 **IEEE ITW - Volos, Greece** **2009**
Carlos Lima and Giuseppe Thadeu Freitas de Abreu: "Analysis of Contention-based Relay Selection Mechanisms in Autonomous Multi-hop Networks," *Proc. IEEE Information Theory Workshop* (ITW 2009) June 10-12, 2009.
- C74 **IEEE WCNC - Budapest, Hungary** **2009**
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- C73 **IEEE WPNC - Hannover, Germany** **2009**
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- C72 **IEEE WPNC - Hannover, Germany** **2009**
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- C71 **IEEE WPNC - Hannover, Germany** **2009**
Pedro Nardelli and Giuseppe Thadeu Freitas de Abreu: "Analysis of Hopping Strategies in Multi-hop Wireless Networks," *Proc. IEEE Workshop on Positioning, Navigation and Communication* (WPNC 2009), March 19, 2009.

- C70 **IEEE WPNC - Hannover, Germany** 2009
Golaleh Rahmatollahi, Thomas Kaiser and Giuseppe Thadeu Freitas de Abreu: "Evaluation of Location-Aware Routing in Heterogeneous Networks," *Proc. IEEE Workshop on Positioning, Navigation and Communication (WPNC 2009)*, March 19, 2009.
- C69 **SITA - Kinugawa, Japan** 2008
Giuseppe Thadeu Freitas de Abreu: "Tight Upper and Lower Bounds on the Gaussian Q-function," *31st Symposium on Information Theory and Applications (SITA 2008)*, October 7-10, 2008.
- C68 **SITA - Kinugawa, Japan** 2008
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Performance of STBCs with Linear Maximum Likelihood Decoder in Time-Selective Channels," *31st Symposium on Information Theory and Applications (SITA 2008)*, October 7-10, 2008.
- C67 **IEEE ICCS - Guangzhou, China** 2008
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Performance of STBCs with Linear Maximum Likelihood Decoder in Time-selective Channels," in *IEEE International Conference on Communications Systems (ICCS 2008)*, November 19-21, 2008.
- C66 **IEEE Asilomar - Pacific Grove, U.S.A.** 2008
Qiang Xue, Giuseppe Thadeu Freitas de Abreu and Behnaam Aazhang: "Analysis of Amplify-and-Forward DSTBCs over the Random Set Relay Channel," *Proc. IEEE Fourty-Second Asilomar Conference on Signals, Systems and Computers (Asilomar 2008)*, October 28-31, 2008.
- C65 **IEEE ICUWB - Hannover, Germany - Invited -** 2008
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Optimized Confidence Weights for Localization Algorithms with Scarce Information," in *Proc. IEEE International Conference on Ultra-Wideband (ICUWB 2008)*, September 10-12, 2008.
- C64 **IEEE SAM - Darmstadt, Germany** 2008
Behrouz Maham, Are Hjørungnes and Giuseppe Thadeu Freitas de Abreu: "Distributed GABBA Space-Time Codes with Complex Signal Constellations," in *Proc. IEEE Fifth Sensor Array and Multichannel Signal Processing Workshop (SAM 2008)*, July 21-23, 2008.
- C63 **IEEE WCNC - Las Vegas, U.S.A.** 2008
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- C62 **WPMC - Saariselkä, Finland** 2008
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- C61 **WPMC - Saariselkä, Finland** 2008
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- C60 **WPMC - Saariselkä, Finland** 2008
Carlos Lima and Giuseppe Thadeu Freitas de Abreu: "Auction-based Relay Selection Algorithm for Position-centric Routing," in *Proc. Wireless Personal Multimedia Communications (WPMC 2008)*, September 8-11, 2008.
- C59 **ICT Mobile Summit - Stockholm, Sweden** 2008
Subayal Khan, Carlos Lima and Giuseppe Thadeu Freitas de Abreu: "Event Driven Simulation Framework for Large Scale Sensor Networks: Discovery, Relaying, Localization and Tracking," in *Proc. 17th ICT Mobile & Wireless Communications Summit (ICT-Summit 2008)*, June 10-12, 2008.
- C58 **IEEE WPNC - Hannover, Germany** 2008
Giuseppe Destino and Giuseppe Thadeu Freitas de Abreu: "Network Boundary Recognition via Graph Theory," in *Proc. IEEE 5th Workshop on Positioning, Navigation and Communication (WPNC 2008)*, March 27, 2008.
- C57 **IEEE WPNC - Hannover, Germany** 2008
Carlos Lima and Giuseppe Thadeu Freitas de Abreu: "Game-Theoretical Relay Selection Strategy for Geographic Routing in Multi-hop WSNs," in *Proc. IEEE 5th Workshop on Positioning, Navigation and Communication (WPNC 2008)*, March 27, 2008.
- C56 **IEEE WPNC - Hannover, Germany** 2008
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- C55 **WPMC - Jaipur, India.** 2007
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- C54 **IEEE Asilomar - Pacific Grove, U.S.A.** 2007
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- C53 **IEEE PIMRC - Athens, Greece** 2007
Giuseppe Thadeu Freitas de Abreu: "BER and Mutual Information of STBCs over Fading Channels with PSK-QAM Modulations," in *Proc. IEEE Personal Indoor Mobile Radio Communications* (PIMRC 2007), September 3-7, 2007.
- C52 **IEEE PIMRC - Athens, Greece** 2007
Davide Macagnano and Giuseppe Thadeu Freitas de Abreu: "Tracking Multiple Dynamic Targets with Multidimensional Scaling," in *Proc. IEEE Personal Indoor Mobile Radio Communications* (PIMRC 2007), September 3-7, 2007.
- C51 **IST Mobile Summit - Budapest, Hungary** 2007
Giuseppe Destino, Davide Macagnano, Giuseppe Thadeu Freitas de Abreu, Benôit Denis and Laurent Ouyry: "Localization and Tracking for LDR-UWB Systems," in *Proc. 16th IST Mobile & Wireless Communications Summit* (IST-Summit 2007), July 1-5, 2007.
- C50 **IEEE ICC - Glasgow, Scotland** 2007
Giuseppe Thadeu Freitas de Abreu: "On the Simulation of Tikhonov Random Processes," in *Proc. IEEE International Conference on Communications - Wireless Communications Symposium* (ICC 2007), June 24-27, 2007.
- C49 **IEEE WPNC - Hannover, Germany** 2007
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- C48 **IEEE WPNC - Hannover, Germany** 2007
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- C47 **IEEE WCNC - Hong-Kong, China** 2007
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- C46 **IEEE Globecom-CmTh - San Francisco, U.S.A.** 2006
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- C45 **IEEE Globecom-WASNet - San Francisco, U.S.A.** 2006
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- C44 **IEEE PIMRC - Helsinki, Finland** 2006
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- C43 **WPMC - San Diego, USA.** 2006
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- C42 **IST Summit - Mykonos, Greece** 2006
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- C41 **SITA - Tancha-Bay, Japan** 2005
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- C40 **IEEE Asilomar - Pacific Grove, U.S.A.** 2005
Giuseppe Thadeu Freitas de Abreu: "GABBA Codes: Generalized Full-Rate Orthogonally Decodable Space-Time Block Codes," *Proc. IEEE Thirty-ninth Asilomar Conference on Signals, Systems and Computers* (Asilomar 2005), October 30 - November 2, 2005.
- C39 **IEEE Asilomar - Pacific Grove, U.S.A.** 2005
Gabriel Porto Villardi, Giuseppe Thadeu Freitas de Abreu and Ryuji Kohno: "Modified Orthogonal Space-Time Block Codes for Time-Selective Fading Channels," *Proc. IEEE Thirty-ninth Asilomar Conference on Signals, Systems and Computers* (Asilomar 2005), October 30 - November 2, 2005.

- C38 **IEEE ICU - Zurich, Switzerland** 2005
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- C37 **WPMC - Aalborg, Denmark.** 2005
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- C36 **WPMC - Aalborg, Denmark.** 2005
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