



Broadband Wireless Networking Laboratory Workshop 2010

August 19-20, 2010

School of Electrical and Computer Engineering
 Georgia Institute of Technology
 Atlanta, GA, USA

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| Date: Thursday, August 19, 2010 | | |
| Location: Centergy Building, CSIP Library, Room 5186 | | |
| Chair: Josep Miquel Jornet Montana | | |
| 1.00-1.15 pm | Josep Miquel Jornet David Gutiérrez Estévez | Welcome/Opening |
| 1.15-1.45 pm | Zhi Sun | Deploying Wireless Sensor Networks in Underground Soil Medium |
| 1.45-2.15 pm | Pu Wang | Correlation and Mobility Aware Traffic Modeling in Data Networks |
| 2.15-2.45 pm | Rui Dai | Correlation-Based Communication in Wireless Multimedia Sensor Networks |
| 2.45-3.00 pm | <i>Break</i> | |
| 3.00-3.30 pm | David Manuel Gutiérrez Estévez | Bridging Two-Tier Cellular Networks: Femto-Relays |
| 3.30-4.00 pm | Elías Chavarría Reyes | Radio Resource Management in Multifemtocell Networks |

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|---|--|--|
| Date: Friday, August 20, 2010 | | |
| Location: Centergy Building, CSIP Library, Room 5186 | | |
| Chair: David Manuel Gutiérrez Estévez | | |
| 1.00-1.30 pm | Josep Miquel Jornet Montana | Enabling Communication in Wireless Electromagnetic Nanonetworks in the Terahertz Band |
| 1.30-2.00 pm | Joan Capdevila Pujol | ALOHA-Like Medium Access Control for Wireless Electromagnetic Nanonetworks in the Terahertz Band |
| 2.00-2.30 pm | Massimiliano Pierobon | Diffusion-based Molecular Communication for Nanonetworks: from Physical Models to Information Capacity |
| 2.30-2.45 pm | <i>Break</i> | |
| 2.45-3.15 pm | Francesco Rocca Cirasa | Molecular Communications using Pheromones |
| 3.15-3.45 pm | Anna Vizziello | Heterogeneous Primary Users Recognition and Adaptability Effects in Cognitive Radio Networks |
| 3.45-4.15 pm | Yahia Tachwali | Cognitive radio design for small form factor software radio platforms |
| 4.15-4.30 pm | David Gutiérrez Estévez Josep Miquel Jornet | Concluding Remarks |

* Pizza and refreshments will be served both days starting at 12pm in room 5158.