

RFID Academic Convocation

Opportunities for Sponsored Research Collaboration

Schedule

Co-Hosted by RFID Journal LIVE! and MIT Auto-ID Labs

RFID Journal's 4th Annual Conference & Exhibition

MGM Grand Conference Center, Las Vegas

May 1, 2006

Morning Plenary Session

7:30 a.m.	Registration and Continental Breakfast
8:30 a.m.	Welcome and Introduction Introduction — <i>Steve Miles, Conference Committee Co-Chair and Research Engineer, MIT Auto-ID Labs</i> Welcome From the Auto-ID Labs — <i>John Williams, Ph.D., Associate Professor, Director, MIT Auto-ID Labs</i>
8:45 a.m.	Opening Remarks on the Importance of Standards for RFID Sensors Networked RFID and Sensors: Standards and the Standards Creation Process — <i>J.T. (Tom) Cain, Department of Electrical and Computer Engineering, University of Pittsburgh and Kang B. Lee, Leader, Sensor Development and Application Group, Manufacturing Engineering Laboratory, National Institute of Standards and Technology</i> EPCglobal Business Action Group Standards Creation Process — <i>Ian Robertson, Director Global Industry Development, GS1 US</i> Research Issues in the EPCglobal Community — <i>Trevor Pierce and Giselle Ow-Yang, Global Standards, GS1</i> Introduction to AIM Global and ISO/IEC SC31 — <i>Dan Mullen, President, AIM Global</i>
9:15 a.m.	RFID Vendor Research & Development — Opportunities for Academic Research Collaboration Cross Industry and Cross Continent Opportunities for RFID Research Collaboration — <i>Chris Clauss, Business Manager IBM Websphere EPC Information Service, IBM</i> Business Application Perspective on Auto-ID Technology — <i>Tao Lin, SAP Labs</i> Chip Availability and Functionality for Researchers — <i>Chris Segura, Product Line Manager, RFID, Impinj</i> HF/UHF Research Roadmap — <i>Alastair McArthur, CTO, Tagsys</i> IEEE 1451, ISO and EPC Research Collaboration with Philips — <i>Michael R. Guillory, Director, Industry Relations Business Line Identification, Philips</i> Moderator — <i>Mark Roberti, Editor and Founder, RFID Journal</i>
10:15 a.m.	Break
10:30 a.m.	R&D Opportunities in the Aerospace Industry Opportunities for RFID Research in the Aerospace Industry — <i>Aero-ID Program, Alan Thorne, Auto-ID Labs at Cambridge University</i> <i>Airbus Representative</i> <i>ATA Representative</i>
11:00 a.m.	R&D Opportunities That Cut Across Industries and Geographies University Research in the Technology of RFID Tags, Readers and Applications — <i>Marlin H. Mickle et. al., Professor and Director, RFID Center of Excellence, University of Pittsburgh</i> Surface Acoustic Wave RFID Devices using Thin Piezoelectric Films at 2.45 GHz — <i>Vadim Shahov et. al., Bauman Moscow State Technical University</i> Privacy and Opportunity in Passive RFID: Authentication Using CDMA — <i>Daniel D. Devours, Ph.D., Information and Telecommunications Technology Center, University of Kansas</i> Engineering Asset Management Using Product Embedded Information Devices (PEID); The PROMISE Approach With Application to Assets of Intracom Telecom, Athens Greece — <i>Dimitris Kiritsis, Associate Director, Lab of Informatics for Design and Production, EPFL, Lausanne, Switzerland</i>
12:00 p.m.	Lunch

EPC Network Use Case Workshop and 'Many to Many' EPC-IS Data Exchange

1:00 - 2:30 p.m.

Juried Papers

Building a Global RFID Network Simulator — *John Williams, Ph.D., Associate Professor, Civil Engineering, Director, Auto-ID Labs at MIT*

End-User Perspective of a Fortune 50 Company Research Sponsor — *Brian Schulte, Altria IT Services*

2:30 - 3:00 p.m.

Break

3:00 - 4:30 p.m.

Panel Discussion

Grey Paper - Proposal for Services Oriented Architecture WS* Transport Profile

Moderator — *John Williams, Ph.D., Associate Professor, Civil Engineering, Director, Auto-ID Labs at MIT*

Tao Lin, Ph.D., SAP Labs, LLC

Christopher Clauss, Worldwide Auto-ID Leader, IBM

Mary Murphy-Howe, Intel

HLS Item-Level Tagging

1:00 - 2:30 p.m.

Juried Papers

Manufacturer, Distributor, Retailer and Regulatory Perspectives — *HLS industry and EPCglobal representatives to be confirmed*

RFID: Keeping America Safe from Counterfeit Pharmaceuticals — *Bill Roach, Teresita Levell School of Business, Washburn University, Topeka*

The Impact of RF Radiation on Protein Efficacy — *Daniel W. Engels, Auto-ID Labs at MIT*

RFID Applications in Hospitals for Positioning and Tracking — *Q. B. Chung, College of Commerce and Finance, Villanova University*

Localization Interface for WiFi RFID Readers — *Kaveh Pahlavan, Ph.D., Professor and Director Center for Wireless Information Network Studies (CWINS), WPI*

2:30 - 3:00 p.m.

Break

3:00 - 4:30 p.m.

Panel Discussion

Health & Life Sciences RFID Research Requirements

Moderator — *Gisele Bennett, Ph.D., Director, Electro-Optical Systems Laboratory, Professor, School of Electrical and Computer Engineering, Associate Director, Health Systems Institute, Georgia Tech Research Institute*

Ronald Bone, Sr. VP Distribution Support, McKesson

Dirk Rodgers, EPCglobal Health Life Sciences Business Action Group and David Mitchell, RFID Project Manager, Johnson & Johnson R&D

Supply Chain Research

1:00 - 2:30 p.m.

Juried Papers

RFID and Business Strategy — *Chang E. Koh, Ph.D., Associate Professor & Associate Director of Research, Department of Information Technology and Decision Sciences, College of Business Administration, University of North Texas*

ROI Reality: Financial Analysis and Management of RFID Platform Investments — *Michael E. Thompson, Ph.D., Waterstone Group (research sponsored by Alien Technologies)*

Managerial Issues Related to the Adoption, Usage and Impact of RFID — *Fred Riggins, Ph.D., RFID Project Leader & Assistant Professor, Carlson School of Management, MIS Research Center, University of Minnesota*

2:30 - 3:00 p.m.

Break

3:00 - 4:30 p.m.

Panel Discussion

The Future of the RFID-enabled Supply Chain and Research Needed to Drive it Forward

Moderator — *Bill C. Hardgrave, Ph.D., Edwin & Karlee Bradberry Chair in Information Systems, Director, RFID Research Center, Sam M. Walton College of Business, University of Arkansas*

Alan Melling, Symbol Technologies

John Dumalac, Director - Emerging Technologies, Intel Solution Services

Simon Langford, Director - RFID Strategy and Transportation Systems, Wal-Mart

Richard Lee, Group Manager - EPC Business Planning & Analysis, Procter & Gamble

Mike O'Shea, Director - Auto-ID Sensing Technologies, Kimberly-Clark Corp.

Cold Chain Applications in Fresh Vegetables, Fruits and Meat

1:00 - 2:30 p.m.

Juried Papers

Learning from Animal Identification with UHF RFID Technology — *Gregory J. McCarthy, Ph.D., Professor and Director, Center for Nanoscale Science and Engineering, North Dakota State University*

Smart Containers for an Autonomic Supply Chain — *Dieter Uckelmann, Manager RFID-Application and Demonstration Center, BIBA-IPS, Institute for Production and Logistics, LogDynamics Lab, University of Bremen, Germany*

2:30 - 3:00 p.m.

Break

3:00 - 4:30 p.m.

Panel Discussion

Food Industry RFID Research Requirements

Moderator — *Jean-Pierre Emond, Associate Professor Agricultural and Biological Engineering, Co-Director, Center for Food Distribution and Retailing, University of Florida*

U. S. Department of Agriculture Representative