

ISART 2008

Monday, June 2, 2008, 2:00 p.m.

ISART Session I: Topics in Spectrum Management

Chair, Alaka Paul

ISART.1.1. "The Role of Propagation Models in Spectrum Property Rights Concepts,"
R. Matheson

ISART.1.2. "Propagation Prediction Tools,"
R. DeBolt and J. Kub

ISART.1.3. "Frequency Use Status Investigation and Spectrum Utilization Metric,"
S. Lee, S. Lee, S. An, K. Park, and O. Seo

ISART.1.4. "Broadband Spectrum Survey Measurements: Approaches and Results,"
F. Sanders

ISART.1.5. "Spectrum Withdrawal and Relocation Algorithm in Korea,"
M. Lee, S. Lee, S. Nam, and G. Son

Tuesday, June 3, 2008, 9:00 a.m.

ISART Session II: Communications in Various Noise Environments

Chair, Chris Behm

ISART.2.1. "Radio Noise: Recent Considerations of Man-Made Noise"
L. Barclay

ISART.2.2. "Dynamic Channel Model for Static Mobile Terminals in Indoor
Environments,"
Y. Ohta and T. Fujii

ISART.2.3. "A Mobile-to-Mobile Propagation Measurement System,"
R. Johnk, P. McKenna, P. Papazian, N. DeMinco, G. Sanders, H. Ottke, B. Arment, J.
Shankel and D. Strouse

ISART.2.4. "A Methodology for Approximating BPSK Demodulator Performance in the
Presence of Various Undesired Signals,"
M. Cotton

ISART.2.5. "Using a Split Model to Improve the Simulation of Industrial Environment
Propagation Conditions,"
S. Benferhat and M. Misson

Tuesday, June 3, 2008, 2:00 p.m.

ISART Session III: Propagation Prediction Models

Chair, Nick DeMinco

ISART.3.1. "Measurement Data for Improving ITU-R Recommendation P.1812,"
M. Willis, K. Craig and N. Thomas

ISART.3.2. "Diffraction Model Comparisons Using the ITU-R 3K1 Correspondence
Group Database,"
K. Craig, M. Willis, N. Thomas and S. Callaghan

ISART.3.3. "A Comparative Analysis of Diffraction Algorithms for Multiple Knife
Edges,"
N. DeMinco and P. McKenna

ISART.3.4. "Estimating SRTM Terrain Height Errors and Their Effect on Profile
Interpretation,"
D. Bacon

ISART.3.5. "Local Fading Characterization in Ground-Wave Propagation at MW Band,"
D. de la Vega, U. Gil, S. Lopez, P. Angueira, I. Angulo, D. Guerra and J. Ordiales

Wednesday, June 4, 2008, 9:00 a.m.

ISART Session IV: Wireless in Mobile Environments

Chair, Chris Haslett

ISART.4.1. "Digital Mobile Networks: Limitations and Possibilities,"
C. Haslett

ISART.4.2. "Deterministic Equations for Computer Approximation of ITU-R P.1546-2,"
S. Shumate

ISART.4.3. "A Simplified Analytical Urban Propagation Model (UPM),"
C. Chrysanthou, J. Breakall and K. Labowski

ISART.4.4. "Radio Communications for Emergency Responders in High-Multipath
Outdoor Environments,"
K. Remley, G. Koepke, C. Holloway and C. Grosvenor

ISART.4.5. "New Challenges in the Understanding of Surface Wave Propagation,"
L. Barclay

Wednesday, June 4, 2008, 2 p.m.

ISART Session V: Emerging Wireless Technologies

Chair, Tim Brown

ISART.5.1. "Polarization and Space Diversity Antenna Using Two Inverted-F 1x2 Sub-Arrays for RFID Reader Applications,"

J. Kim

ISART.5.2. "Modeling and Analysis of the Interference Potential of Cognitive Radio Devices to Wireless Microphones Operating in TV Bands,"

R. Dhillon and T. Brown

ISART.5.3. "High-Resolution Propagation Measurements Using Conventional EMC Test Antennas – A Numerical Study,"

R. Johnk

ISART.5.4. "A CW Vital Signs Detection with Ranging Capability,"

A. Wiesner

ISART.5.5. "Design and Implementation of a Portable Software Radio,"

B. Dunn, M. Dickens and N. Laneman