Code	AUTHORS	TITLE OF PRESENTATION	SESSION
P1.1:	E. Panula-Ontto	*Finnish Space Strategy and Development Trends of International Co-Operation*	Plenary Session 1
P1.2:	K. Leppänen	*Antennas for the Next Generation of Mobile Communications*	Plenary Session 1
A1.1:	H. Valmu, K. Rautiainen	*Calibration of Interferometric Radiometers*	Remote Sensing Instrumentation
A1.2:	J. Lahtinen, M. Hallikainen	*Review of Existing Polarimetric Radiometers*	Remote Sensing Instrumentation
A1.3:	P. Kangaslahti, J. Tanskanen, H. Salminen, P. Jukkala	*Indium Phosphide MMICS for Cryogenic Space-borne Radiometers*	Remote Sensing Instrumentation
A1.4:	E. Honkavaara, M. Bilker, J. Jaakkola, J. Ylönen, Y. Xiaowei	*Orientation of Airborne and Spaceborne Imaging Sensors*	Remote Sensing Instrumentation
A1.5:	J. Partanen, P. Eskelinen	*Possibilities for Power Distribution Network Fault Location with Radio Frequency Direction Finding*	Remote Sensing Instrumentation
A1.6:	P. Eskelinen	*Some Environmental Effects on Atomic Clock Stability*	Remote Sensing Instrumentation
B1.1:	A. Pietilä	*CDMA Network Planning Aspects*	Telecommunication
B1.2:	A. Boukalov	*The Impact of a Non-Uniform Spatial Traffic Distribution on the CDMA Cellular Network System Parameters*	Telecommunication
B1.3:	J. Sarker	*The Performance Analysis and Optimization of the GSM and GPRS Random Access Channels*	Telecommunication
B1.4:	L. Sydänheimo, I. Kulovuori, M. Kivikoski	*Usability of Wireless Data Transfer in Dynamic Industrial Environment*	Telecommunication
B1.5:	P. Makkonen	*The Marsexpress Netlander to Orbiter Telecommunication System Analysis*	Telecommunication
B1.6:	S. Halme, L. Halme, H. Leivo, K. Ranta	*Study of Evolution of Access Netwuoks*	Telecommunication
A2.1:	Y. Rauste, G. De Grandi	*Techniques in Continent Wide Radar Mosaicking*	Remote Sensing of Forest and Land Use Classification
A2.2:	T. Manninen	*Boreal Forest Parameter Estimation by CARABAS*	Remote Sensing of Forest and Land Use Classification
A2.3:	A. Vuorela, A. Saarikoski	*SarDEM - Digital Elevation Models from ERS SAR Images*	Remote Sensing of Forest and Land Use Classification
A2.4:	T. Häme, M. Holm, S. Rautakorpi, E. Parmes	*Forestry Applications of High Resolution Imagery*	Remote Sensing of Forest and Land Use Classification
A2.5:	T. Tokola	*Some Critical Elements in the Landsat TM-Based Vegetation Inventory*	Remote Sensing of Forest and Land Use Classification
A2.6:	K. Mäkisara, J. Heikkinen, H. Henttonen, T. Tuomainen, E. Tomppo	*Averaging Features and Airborne Imaging Spectrometer Data in Forest Inventory*	Remote Sensing of Forest and Land Use Classification
A2.7:	M. Karjalainen, R. Kuittinen	*Updating Land Parcel Maps Using Vector and Orthophoto Data*	Remote Sensing of Forest and Land Use Classification
B2.1:	J. Iinatti	*Treshold Setting Rules for the Mean Acquisition Times of DS Spread Spectrum Receiver in Multipath Channel*	Signals and Systems
B2.2:	A. Pouttu, J. Juntti,	*Comparison of Treshold Setting Rules in Adaptive Transform*	Signals and

	T. Kumpumäki	*Domain Interference Supression in a Hybrid DS/FH-System*	Systems
B2.3:	S. Siltala	*The Sensitivities of Some Suboptimal Turbo Decoders to SNR Estimation Using DPSK Modulation*	Signals and Systems
B2.4:	P. Pirinen	*Comparison of the Fenton-Wilkinson and Schwartz-Yeh Approximations for Multiple Correlated Lognormal Signals*	Signals and Systems
B2.5:	K. Kansanen, M. Juntti, M. Latva-aho	*Performance of Parallel Interference Cancellation Receiver with Delay Errors*	Signals and Systems
B2.6:	K. Hooli	*Model for the Effect of Signal Quantization on the Performance of DS-CDMA Receivers*	Signals and Systems
B2.7:	V. Möttönen, P. Piironen, J. Zhang, J. Louhi, A. Räisänen	*A Subharmonic Mixer at 220 GHz: Implementation and Measurements*	Signals and Systems
A3.1:	T. Hannonen	*Preliminary Experiences in Using the SeaWiFS Data in Coastal Monitoring*	Remote Sensing of Water and Ice
A3.2:	Z. Yuanzhi, S. Koponen, J. Pulliainen, M. Hallikainen	*Landsat Thematic Mapper (TM) Data Analysis for Chlorophyll-A and Turbidity in Finland Gulf*	Remote Sensing of Water and Ice
A3.3:	J. Vepsäläinen, T. Pyhälahti	*Atmospheric Correction Method for Water Surface Measurements of AISA Imaging Spectrometer*	Remote Sensing of Water and Ice
A3.4:	J. Pulliainen, H. Servomaa, S. Koponen, S. Tauriainen, T. Hannonen	*Semi-Operative Water Quality Information Retrieval from AISA Imaging Spectometer Data*	Remote Sensing of Water and Ice
A3.5:	M. Mäkynen, M. Hallikainen	*EMAC'95 HUT Passive Microwave Radiometer Measurements of Baltic Sea Ice*	Remote Sensing of Water and Ice
A3.6:	M. Similä, I. Heiler	*Some Observations about the Discrimination Proprties of Polarimetric SAR Data over the Baltic Sea Ice*	Remote Sensing of Water and Ice
B3.1:	J. Riissanen	*EUMETSAT Remote Sensing Activities*	Remote Sensing of Atmosphere
B3.2:	K. Tigerstedt	*Atmospheric Effects on Spaceborne Radiometer Measurements in the 1-100 GHz Range*	Remote Sensing of Atmosphere
B3.3:	J. Luntama	*Radio Occultation Measurement in Atmospheric Applications*	Remote Sensing of Atmosphere
B3.4:	L. Oikarinen	*Remote Sensing of the Stratosphere: ENVISAT-1/GOMOS and ODIN/OSIRIS Projects*	Remote Sensing of Atmosphere
B3.5:	R. Ahonen	*Measurement of Stratospheric Ozone with a Ground Based Millimeter Wave Radiometer*	Remote Sensing of Atmosphere
P2.1:	K. Isotalo	*CEO Oils the Wheels of the Earth Observation Industry*	Plenary Session 2
P2.2:	J. Paavilainen	*Commercial Use of Remote Sensing*	Plenary Session 2
A4.1:	M. Peura	*Object Recognition via Hierarchical Matching*	Pattern Recognition, Image processing, Neural Nets
A4.2:	T. Turkka, M. Törmä, M. Hallikainen	*Different Factors Affecting Information Content of SAR-Images in Land-Use Classification*	Pattern Recognition, Image processing, Neural Nets
A4.3:	M. Törmä, T. Turkka, M. Hallikainen	*Classification of SAR-Images Using Learning Vector Quantization*	Pattern Recognition, Image processing, Neural Nets
B4.1:	T. Katila	*Functional Imaging in Medicine: Applications of Bioelectromagnetism*	Bioelectromagnetics
B4.2:	J. Ruohonen, J. Karhu, M.	*Stereotactic Transcranial Magnetic Stimulation and Concurrent EEG*	Bioelectromagnetics

	Ollikainen		
B4.3:	T. Rauner, J. Ritola, R. Sepponen	*A Measuring Module for Impedance Cardiography (ICG)*	Bioelectromagnetics
B4.4:	A. Pursula, K. Pesola, J. Nenonen, T. Katila	*Comparison of Sensor Array Configurations for Magnetocardiographic Measurements Using Bayesian Parameter Estimation*	Bioelectromagnetics
B4.5:	H. Väänänen, J. Montonen, J. Nenonen, M. Paavola, T. Katila	*Non-invasive Bioelectromagnetic Identification of Patients Prone to Malignant Arrhythmias*	Bioelectromagnetics
A5.1:	J. Koskinen, S. Metsämäki, S. Jänne, J. Grandell, L. Matikainen, M. Hallikainen	*Combined Use of Radar and Optical Satellite Data in Snow Melt Monitoring*	Remote Sensing of Snow
A5.2:	J. Praks	*Target Covariance Matrix Eigenvalue Based Decomposition Application in Airborne SAR Based Snow Remote Sensing*	Remote Sensing of Snow
A5.3:	A. Arslan, M. Hallikainen	*Investigation of Snowpack Parameters by Combining C- and L-Band SAR Data for Dry Snow*	Remote Sensing of Snow
A5.4:	H. Alasalmi, J. Praks, A. Arslan, J. Koskinen, M. Hallikainen	*Investigation of Forest and Snow Properties by Using Airborne SAR Data*	Remote Sensing of Snow
A5.5:	I. Hänninen, J. Avelin, A. Sihvola	*Effective Properties of Geophysical Media with Complex Geometries: Polarizability of Dielectric Cubes*	Remote Sensing of Snow
B5.1:	H. Nevanlinna	*Space Weather: Variations in the Solar-Terrestial Environment*	Space Weather
B5.2:	H. Koskinen	*What is Space Weather and Why Should We be Worried About it ?*	Space Weather
B5.3:	T. Pulkkinen	*The Sun-Earth Connection: How Does Solar Activity Affect the Near-Earth Space*	Space Weather
B5.4:	A. Aikio, V. Sergeev, M. Shuktina, L. Vagina, V. Angelopoulos, G. Reeves	*Characteristics of Magnetospheric Substorms and Pseudobreakups*	Space Weather
B5.5:	R. Pirjola, A. Viljanen, D. Boteler, O. Amm	*Geomagnetically Inducted Currents in Power Transmission Systems*	Space Weather
B5.6:	A. Pulkkinen, R. Pirjola, D. Boteler	*Application of DSTL Theory to Studies of Geomagnetic Effects on Pipelines*	Space Weather
A6.1:	E. Tomppo, K. Mäkisara	*Remote Sensing at the Finnish Forest Research Institute (METLA)*	Remote Sensing Institutes
A6.2:	P. Härmä, Y. Sucksdorff	*Remote Sensing at Finnish Environment Institute*	Remote Sensing Institutes
A6.3:	J. Vainio	*The Use of Remote Sensing Data in the Finnish Ice Service*	Remote Sensing Institutes
A6.4:	T. Häme	*Remote Sensing Research at VTT Automation*	Remote Sensing Institutes
A6.5:	M. Hallikainen	*Remote Sensing Research at HUT Laboratory of Space Technology*	Remote Sensing Institutes
A6.6:	R. Kuittinen	*Remote Sensing Activities at Geodetic Institute*	Remote Sensing Institutes
B6.1:	J. Lähteenmäki	*Trends in Radiowave Propagation Modelling for Mobile Communications Systems*	Radio Channel / Antennas and Radiowave Propagation

B6.2:	J. Kivinen	*Wideband Radio Channel Measurement and Modeling Techniques for Future Radio Systems*	Radio Channel / Antennas and Radiowave Propagation
B6.3:	H. EL-Sallabi, W. Zhang, K. Kalliola, P. Aikio, P. Vainikainen	*Radio Channel Modeling of Line-of-Sight Microcellular Environments of Adaptive Array Antennas at the Basestation*	Radio Channel / Antennas and Radiowave Propagation
B6.4:	W. Zhang, H. El-Sallabi, K. Kalliola, P. Aikio, P. Vainikainen	*Modeling of Wide-Band Propagation in Out-of-Sight Regions of Urban Micro-Cellular Environments*	Radio Channel / Antennas and Radiowave Propagation
B6.5:	J. Ylitalo	*Effect of Mobile Radio Channel to the Performance of a Base Station Receiver*	Radio Channel / Antennas and Radiowave Propagation
B6.6:	C. Icheln, J. Ollikainen, P. Vainikainen	*Effect of RF Absorbers to Small Antenna Measurements in a Small Anechoic Chamber*	Radio Channel / Antennas and Radiowave Propagation
B6.7:	J. Hubach	*A Wide Band Hybrid Dual-Delta Antenna With Optimized Noise Rejection Characteristics for Digital Audio Broadcast Reception*	Radio Channel / Antennas and Radiowave Propagation
IAS.1:	Y. Yongzhao, J. Ollikainen, P. Vainikainen	*Simple but Effective Efficiency Measurement Method for Small Antennas*	Interactive Session (poster)
IAS.2:	H. Hyyppä, J. Hyyppä, M. Inkinen	*Satellite-Borne and Airborne Remote Sensing Imagery in Small-Area Forest Inventory*	Interactive Session (poster)
IAS.3:	J. Hyyppä, H. Hyyppä, M. Inkinen	*A New Method for Standwise Forest Inventory: Assessing Forest Stand Attributes by Combined Use of Change Detection Methods, Remote Sensing Data, Growth Models and Old Field Inventory Data*	Interactive Session (poster)
IAS.4:	M. Inkinen	*Evaluating the Effect of Regression Calibration on Digitized Aerial Photography for Forest Stratification*	Interactive Session (poster)
IAS.5:	S. Koponen	*Educational Programs of International Space University*	Interactive Session (poster)
IAS.6:	T. Vänskä	*Analysis of Data from a Frozen / Thawed Soil Transition Radar Backscatter Experiment*	Interactive Session (poster)
IAS.7:	H. Eskelinen, P. Eskelinen	*Observations on the Manufacturability of Mechanical Subassemblies for Remote Sensing Transducers*	Interactive Session (poster)
IAS.8:	S. Tauriainen, J. Pihlflyct	*Platform Motion Sensor System of the HUT Remote Sensing Aircraft*	Interactive Session (poster)
IAS.9:	R. Pajuniemi, M. Roshier, M. Hallikainen	*A Multisensor Remote Sensing Aircraft of the Helsinki University of Technology*	Interactive Session (poster)
IAS.10:	J. Raitala, M. Ahvenniemi, K. Ojala	*Use of Multitemporal TM Data in Classification of Vuotos Bog Types in Finnish Lapland*	Interactive Session (poster)