



INTERNATIONAL CONFERENCE ON MEDICAL ELECTRONICS

ADVANCEMENTS IN PRODUCTS AND EMBEDDED SOLUTIONS

FICCI, FEDERATION HOUSE, NEW DELHI, INDIA

TENTATIVE PROGRAMME

DAY-1: FRIDAY, 8 th December, 2006		
	Registration	1000 hrs – 1030 hrs
1	Inaugural Session Hon'ble Minister Science and Technology / Govt of India	1030 hrs – 1100 hrs
	Inauguration of Exhibition, Refreshment & Networking	1100 hrs – 1115 hrs
2	Overview of Medical Electronics & The Road Ahead Industry Background and Drivers, Application and Specifications of Diagnostic, Therapeutic and Clinical Laboratory Equipment, Contributions to Life Expectancy, New Technologies in Patient Care	1115 hrs – 1215 hrs
3	Modern Day Imaging Techniques and Impact on Health Care Emission Tomography Instrumentation and Techniques (PET and SPECT) X-ray Computed Tomography and Digital Radiography, x-rays in tissue, Ultrasound, Haemodynamics and Medical Imaging	1215 hrs – 1330 hrs
	Lunch Break	1330 hrs – 1430 hrs
4	New Nuclear Medicine and Contribution to Life Expectancy Multi-modality Imaging Geometries and Systems, Nuclear Magnetic Resonance Imaging (MRI) and Spectroscopy, Synchrotron Radiation, Applications of New Detector Materials and Technologies to Medical Imaging, Tracer Techniques, Gamma Camera	1430 hrs – 1530 hrs
	Refreshment & Networking	1530 hrs – 1545 hrs
5	Personal Medical Devices and Implants, DSP based system RF Chips and FDA's Medical Implantable Communications Systems (MICS) standard and European standards for ultra-low-power active medical implants (ULP-AMIs), Wireless Sensing Towards The Next Generation Single Chip Technology, ASIC and Stroke Recovery	1545 hrs – 1845 hrs
	Cocktail Dinner and Evening Networking	1845 hrs - 2045 hrs

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DAY-2: SATURDAY, 9th December, 2006		
6	Advanced Patient Monitoring & Management Systems Bio Physical Monitoring, ECG, EEG and EMG Machines, Blood pressure measurement, Principle of defibrillator and pace mark, Microprocessor in patient monitoring,	1000 hrs – 1115 hrs
	Refreshment & Networking	1115 hrs – 1130 hrs
7	TeleMedicine Wireless Networked Electronic Systems, Telemetry on Implantable Devices using the MICS Band, Distant Surgery, Examples of today's wireless devices and technologies, Wireless Sensing, Remote Patient Monitoring	1130 hrs – 1300 hrs
	Lunch Break	1300 hrs – 1400 hrs
8	New Age Defibrillators AEDs,(Automatic External Defibrillators) Tachy and Brady Products, Pace Makers	1400 hrs – 1530 hrs
	Refreshment & Networking	1530 hrs – 1545 hrs
9	Medical Systems Embedded Software Software Solutions for Testing and Calibrating Medical Devices(Blood Glucose Levels),Testing Medical Electrical Equipment With Overview of <u>IEC (EN) 60601-1-2</u> Programming Techniques and Approach Review, Discuss Requirements For A Real-Time Operating System and OSEK/VDX as a possible RTOS standard.	1545 hrs – 1730 hrs
10	Bionics Artificial Limbs, Sensing and Motion Control, Activity Monitoring, Bionic Vision, Cochlear Implants	1730 hrs – 1830 hrs
	Concluding session	1830 hrs to 18.35hrs