

Sestri Levante, Italy, April 23-24, 2010

Day 1: April 23rd 2010

	Chair – V. Lorenzelli (Istituto Giannina Gaslini, Genoa): Plenary Session	
9:00	<ul style="list-style-type: none"> - A. Amato (Gaslini Foundation) [25']: <i>Opening Address</i> - I. Iakovidis (European Commission) [25']: <i>Goals of the ICT for Health Unit regarding Virtual Physiological Human (VPH)</i> - T. Miller (Siemens) [25']: <i>Future of Integrated Diagnostics</i> - J. Freund (Siemens) [15']: <i>Health-e-Child Project</i> 	
10:30	Coffee Break and Short Demos	
	Chair – G. Pongiglione (OPBG): Advances in Paediatric Cardiology	Chair – A. Martini (IGG): Advances in Paediatric Rheumatology and Neuro-Oncology
11:00	Treatment Outcome of Congenital Heart Disease <ul style="list-style-type: none"> - A. Everett [30'] (Johns Hopkins University): <i>Subclinical Brain Injury in Children Undergone ECMO or Cardiac Bypass for Heart Surgery</i> - G. Martin [30'] (ACC): <i>Databases for Assessing the Outcomes of the Treatment of Patients with Congenital Heart Disease</i> - O. Milanesi (Azienda Ospedaliera – Università di Padova) [30']: <i>European Cardiac Databases</i> 	Genetic, Imaging and Clinical Findings in Paediatric Rheumatology <ul style="list-style-type: none"> - A. Martini (IGG) [20']: <i>Introduction</i> - B. Prakken (UMC Utrecht) [35']: <i>Immune Regulation in Human Inflammatory Conditions</i> - P. Modena (Aviano National Cancer Institute) [35']: <i>Gene Expression Studies in Brain Tumors</i>
12:30	Lunch and Short Demos	
14:00	Tetralogy of Fallot: Clinician's View <ul style="list-style-type: none"> - G. Pongiglione (OPBG) [30']: <i>Clinical and Genetic Aspects</i> - A. Taylor (GOSH) [30']: <i>Role of Imaging in Intervention Planning</i> - NN (XX) [30']: <i>Patient Specific Disease Models</i> 	HeC outcomes in Juvenile Idiopathic Arthritis <ul style="list-style-type: none"> - P. Quartier (APHP-Necker) [20']: <i>Clinical and Imaging Aspects</i> - P. Woo (GOSH) [20']: <i>Genetic Aspects</i> - B. Damasio, C. Malattia (IGG), P. Toma (OPBG) [30']: <i>A Novel MRI Score and its Role in Diagnosis</i> - A. Verri (DISI) [20']: <i>Automating Quantitative Image Evaluations</i>
15:30	Coffee Break and Short Demos	
16:00 - 17:30	Tetralogy of Fallot: HeC Outcomes <ul style="list-style-type: none"> - A. Tsymbal (Siemens) [30']: <i>Applications of Case Based Reasoning</i> - T. Mansi (INRIA) [30']: <i>Statistical Model of Heart Growth in ToF</i> - Y. Ioannidis (UoA) [30']: <i>Intelligent Information Management and Knowledge Discovery</i> 	Outcomes in Low-grade Gliomas <ul style="list-style-type: none"> - M. L. Garre (IGG) [25']: <i>Clinical Aspects</i> - V. Capra (IGG) [25']: <i>Specific Gene Expression Signatures</i> - A. Verri (DISI) [20']: <i>Discovering Knowledge from Biomedical Data through Regularisation Methods</i> - I. Kask (Asper) [20']: <i>Development of a Paediatric Brain Cancer Chip</i>
	Moderator – E. Morley-Fletcher (Lynkeus): Panel, Reception, Networking, Demos and Awards	
18:00	Panel: <i>Social Impact of Clinical and Technological Innovation in Paediatric Healthcare</i>	
19:00	Reception, Networking and Demos HeC Awards: Best Clinical Work, Best Technical Work in the Health-e-Child Project	

Day 2: April 24th 2010

	Chair – N. Ayache (INRIA): Application of Personalized Disease Models	Chair – R. McClatchey (UWE): Platforms for Healthcare IT
9:30	Virtual Physiological Human & the Child <ul style="list-style-type: none"> - N. Smith (Oxford U) [35']: <i>Translating Multi-physics Modelling to the Heart of the Clinic</i> - G. Gerig (U of Utah) [35']: <i>Modelling the Growth Trajectory of the Early Developing Brain</i> 	Grids for Healthcare IT <ul style="list-style-type: none"> - S. Newhouse (EGI) [45']: <i>European Grid Infrastructure: Enabling the Global Research Community</i> - D. Manset (Maat) [30']: <i>Platform Deployment in HeC</i>
10:45	Coffee Break and Short Demos	
11:15	Brain modelling <ul style="list-style-type: none"> - E. Konukoglu (Microsoft Research Cambridge) [40']: <i>Towards Personalized Tumor Growth Models</i> - X. Pennec (INRIA) [35']: <i>Computational Anatomy of the Brain</i> 	Ontologies and Integrated Data in Biomedical Informatics <ul style="list-style-type: none"> - O. Bodenreider (NLM) [45']: <i>Present and Future of Biomedical Ontologies</i> - Andrew Branson (UWE) [30']: <i>The HeC Integrated Data Model</i>
12:30	Lunch and Short Demos	
14:00	Morphological and electromechanical models in paediatric cardiology <ul style="list-style-type: none"> - M. Huber (Siemens) [40']: <i>Patient Specific Morphological Models and their Role in Intervention Planning</i> - T. Mansi (INRIA) [35']: <i>Surgery Simulation Based on Personalised Electromechanical Models of the Heart in ToF</i> 	Knowledge Management & Querying <ul style="list-style-type: none"> - B. Rao (Siemens) [45']: <i>Knowledge Based Personalized Medicine</i> - M. Tsangaris (UoA) [30']: <i>Distributed Querying & AITION</i>
15:15	Coffee Break and Short Demos	
15:45 - 17:00	Flow simulations and the future <ul style="list-style-type: none"> - G. Szekely (ETH Zurich) [35']: <i>Approximation of Patient-Specific Blood Flow in Arterial Bifurcations</i> - A. Everett (JHU), G. Pongiglione (IGG), M. Huber (Siemens) [40']: <i>Sim-e-Child: Adding Personalized Flow Simulations</i> 	Biomedical Knowledge Discovery and Visualisation <ul style="list-style-type: none"> - T. Hauer (UWE) [35']: <i>Advanced Information Visualisation</i> - H. Dimitropoulos (UoA) [40']: <i>Graph Based Knowledge Discovery</i>
Panel - Chair: Y. Ioannidis (UoA)		
17:00	Introduction: D. Comaniciu (Siemens): <i>Past, Present, and Future of Health-e-Child</i> Participants: All speakers	
19:00	Gala dinner	