

Time	Program
15.00 - 18.00	<b>Wednesday, June 2, 2010</b> <b>Registration and Snacks at Tegnér's Matsalar (Conference Venue)</b>

Time	Program
08.00 - 08.45	<b>Registration</b>
08.45 - 09.00	<b>Welcome!</b> <i>Per Eriksson, Vice-Chancellor, Lund University</i> <i>Leif Sörnmo, Co-president of ICE 2010</i> <i>Adriaan van Oosterom, President of ISE</i>
<b>Keynote Lectures - Main Lecture Hall</b> <i>Chair: Pyotr Platonov, Sweden</i>	
09.00 - 09.30	Cardiac conduction - an overview of anatomy <i>Yen Ho, UK</i>
09.30 - 10.00	Imaging and image processing in the comprehensive management of patients with atrial fibrillation: the CARMA approach <i>Rob MacLeod, USA</i>
10.00 - 11.00	<b>Poster Session and Coffee</b>
11.00 - 12.30	<b>Emerging Approaches to Cardioversion of Atrial Fibrillation</b> Symposium Sponsored by MSD <b>Main Lecture Hall</b> <i>Chair: Dan Atar, Norway</i> Welcome and opening remarks <i>Dan Atar, Norway</i> Epidemiology of AF and cardioversion <i>Mårten Rosenqvist, Sweden</i> Pathophysiology of AF and importance of prompt cardioversion <i>Heikki Veli Huikuri, Finland</i> Current and future treatments <i>Steen Juul-Møller, Sweden</i> Discussion and closing remarks <i>Dan Atar, Norway</i>
11.00 - 12.30	<b>Emerging Monitoring Techniques in Cardioneurology</b> Symposium Sponsored by Gambro <b>Konserteralen</b> <i>Chairs: Kristian Solem, Sweden &amp; Leif Sörnmo, Sweden</i> Emerging monitoring techniques in cardioneurology <i>Antonio Santoro, Italy</i> Utility of cardiovascular monitoring for individualisation of haemodialysis therapy <i>Helen Jefferies, UK</i> Monitoring of fluid balance and haemodynamics in patients on haemodialysis <i>Frantisek Lopot, Czech Republic</i> Circulatory malfunction during dialysis - basic physiology <i>Joakim Cordtz, Denmark</i> Alterations of atrial electrophysiology after hemodialysis session: a simulation study in volumetric atrial tissues <i>Martin Wolfgang Krueger, Germany</i> Noninvasive quantification of blood potassium concentration from ECG analysis <i>Johannes De Bie, Italy</i>
11.00 - 12.30	<b>Basic Electrophysiology</b> Abstract Session <b>Nya Festsalen</b> <i>Chairs: Shiwen Yuan, Sweden &amp; Algimantas Kriscukaitis, Lithuania</i> Electrophysiological characteristics of ventricular myocytes isolated from young mXin-alpha null mice <i>Cheng-I Lin, Taiwan</i> Ventricular transeptal and transmural changes in the mechanism of hypokalemia-induced arrhythmogenicity in the guinea-pig heart <i>Oleg Osadchii, Denmark</i> Expression of chronotopography of atrial excitation with the cardiopotential distribution on the body surface of ISIAH rats. <i>Svetlana Smirnova, Russia</i> Epicardial activation-to-repolarization coupling differs in the local areas and the entire ventricular surface <i>Jan Azarov, Russia</i> Comparison of sequence of depolarization with terminals distribution of the conducting system in the left ventricle of the pig's heart <i>Anna Gulyaeva, Russia</i>
12.30 - 13.30	<b>Lunch and Exhibition</b>
<b>Keynote Lectures - Main Lecture Hall</b> <i>Chair: Johan Brandt, Sweden</i>	
13.30 - 14.00	Seeing the substrate in ventricular arrhythmias <i>Victoria Delgado, The Netherlands</i>
14.00 - 14.30	ECG correlates of infarction - insights from cardiac MRI <i>Henrik Engblom, Sweden</i>
14.30 - 15.00	<b>Coffee and Exhibition</b>
15.00 - 16.30	<b>Methods for Detection of Subtle ECG Phenomena</b> Featured Abstract Session <b>Main Lecture Hall</b> <i>Chairs: Pablo Laguna, Spain &amp; Gari Clifford, UK</i> Nonparametric, nonstationary noise rejection in TWA analysis reveals unusual dynamics <i>Gari Clifford, UK</i> Analysis of T-wave alternans in stress tests with periodic component analysis <i>Violeta Monasterio, Spain</i> Analysis of T wave alternans using the dominant T-wave <i>Luca Mainardi, Italy</i> Heart rate turbulence denoising benchmarking using a lumped parameter model <i>Oscar Barquero-Pérez, Spain</i> Heart rate turbulence and phase-rectified signal averaging: methods and clinical application <i>Raphael Schneider, The Netherlands</i> A statistical approach for accurate detection of atrial fibrillation and flutter <i>Ki Chon, USA</i>
15.00 - 16.30	<b>Magnetocardiography</b> Featured Abstract Session <b>Konserteralen</b> <i>Chairs: Lauri Toivonen, Finland &amp; Olaf Doessel, Germany</i> Standardization of magnetocardiography - closer to the goal <i>Akihiko Kandori, Japan</i> 3D MCG mapping in atrial arrhythmias <i>Doosang Kim, Korea</i> Atrial activation sequence in patients with lone atrial fibrillation <i>Rajja Jurkko, Finland</i> AF shows recurrent spatial characteristics in MCG <i>Ville Mäntynen, Finland</i> Magnetocardiographic assessment of TP segment morphology in mitral regurgitation due to mitral valve prolapse <i>Andrey Vasnev, Russia</i>
15.00 - 16.30	<b>Conventional 12-lead ECG: What's New?</b> Abstract Session <b>Nya Festsalen</b> <i>Chairs: Henrik Engblom, Sweden &amp; Paul Kligfield, USA</i> Similarity of ST and T waveforms of 12-lead ECG acquired from different monitoring electrode positions <i>Elin Trägårdh Johansson, Sweden</i> A study of Minnesota Code ECG classification system in an apparently healthy Taiwanese population <i>Ming-Ju Tsai, Taiwan</i> R wave amplitude in normal Nigerians using debut automated analysis. <i>Peter Macfarlane, UK</i> Early repolarization in children with unexplained syncope <i>Eva Fernlund, Sweden</i>
16.30 - 16.45	<b>Break</b>
16.45 - 18.15	<b>ECG in Atrial Fibrillation</b> NordForsk Network Symposium <b>Main Lecture Hall</b> <i>Chairs: Bertil Olsson, Sweden &amp; Arnjot Tveit, Norway</i> ECG before and after cardioversion: experience from CAPRAF study <i>Arnjot Tveit, Norway</i> Ventricular response during AF - a mathematical model of the AV nodal function <i>Frida Sandberg, Sweden</i> Conduction patterns in the coronary sinus during atrial fibrillation and their modification by pulmonary vein isolation <i>Pyotr Platonov, Sweden</i> Non-invasive estimation of organization in atrial fibrillation as a predictor of sinus rhythm maintenance <i>Richard Petersson, Sweden</i> Effects of atrial septal pacing sites on the P-wave duration correlated with baseline P-wave duration and morphology <i>Yan Huo, Germany</i>
16.45 - 18.15	<b>Cardiovascular Resuscitation</b> Featured Abstract Session <b>Nya Festsalen</b> <i>Chair: Trygve Eftestøl, Norway</i> The comparison of six quantitative waveform measures in measuring the deterioration of untreated VF <i>Lawrence Sherman, USA</i> Modelling the relationship between ECG characteristics and CPR quality during cardiac arrest <i>Kenneth Gundersen, Norway</i> A reliable AED diagnosis during uninterrupted CPR: past, present and challenges for the future <i>Unai Irusta, Spain</i> Experimental study on the effects of physical training on the defibrillation threshold <i>José Millet Roig, Spain</i>
18.30-20.30	<b>Get Together in the Exhibition Area</b> <i>Light buffet and drinks will be served</i>

Time	Program
<b>Friday, June 4, 2010</b>	
<b>Keynote Lectures - Main Lecture Hall</b> <i>Chair: Lennart Bergfeldt, Sweden</i>	
09.00 - 09.30	Risk predictors for SCD in inherited and acquired heart disease <i>Arthur Moss, USA</i>
09.30 - 10.00	The role of catheter ablation in ventricular tachyarrhythmias <i>Anders Kirstein-Pedersen, Denmark</i>
10.00 - 11.00	<b>Poster Session and Coffee</b>
11.00 - 12.30	<b>Young Investigator Award</b> Sponsored by Dräger Medical Systems <b>Main Lecture Hall</b> <i>Chairs: Peter Macfarlane, UK &amp; Masayasu Hiraoka, Japan</i> Left ventricular transmural gradient of Na+ channel expression and its electrophysiological correlates <i>Ewa Soltysinska, Denmark</i> Quantitative determination of wave direction and conduction velocity in the human atrium from intracardiac electrograms <i>Frank Michael Weber, Germany</i> Age and origin of the Y111C/KCNQ1 founder mutation - a major cause of the Long QT Syndrome in Sweden <i>Annika Winbo, Sweden</i> Spatially discordant alternans in action potential voltage underlie T-wave alternans in human heart failure <i>Jason Bayer, USA</i> When deriving the spatial QRS-T angle from the 12-lead ECG, which transform is more Frank: regression or inverse Dower? <i>Daniel Cortez, USA</i> Reduction in cardiac Kir3.4 channel expression causes congenital long QT syndrome - A functional role of GIRK currents in ventricular repolarization <i>Bo Liang, Denmark</i>
11.00 - 12.30	<b>Inherited Arrhythmic Disorders/Channelopathies</b> Featured Abstract Session <b>Konserteralen</b> <i>Chairs: Jesper Svendsen, Denmark &amp; Pyotr Platonov, Sweden</i> Inherited arrhythmic disorders and international guidelines <i>Carina Blomström-Lundqvist, Sweden</i> Long QT syndrome: Experience from the International LQTS Registry <i>Arthur Moss, USA</i> Genetics in arrhythmic right ventricular cardiomyopathy <i>Alex H. Christensen, Denmark</i> Atrial fibrillation - an inherited arrhythmia disease? <i>Morten Salling Olesen, Denmark</i> Spectrum of heart rhythm disturbances in LMNA and SCN5A mutation carriers in Russian DCM patients <i>Elena Zaklyazminskaya, Russia</i>
11.00 - 12.30	<b>ECG in Ischemia</b> Abstract Session <b>Nya Festsalen</b> <i>Chairs: Kjell Nikus, Finland &amp; Raquel Bailón, Spain</i> Discrimination of coronary artery disease patients by means of heart rate variability analysis during exercise stress testing <i>Raquel Bailón, Spain</i> High resolution ECG for evaluation of heart function during exposure to subacute tetrythra hypoxia <i>Pebo Zupet, Slovenia</i> The prognostic capacity of clinically indicated exercise test is enhanced by combined analysis of exercise capacity, heart rate recovery and T-wave alternans <i>Mikko Minkinen, Finland</i> ST-segment depression/heart rate hysteresis improves detection of coronary artery disease in women <i>Kati Svart, Finland</i> Spinal cord stimulation effects on myocardial ischemia, infarct size, ventricular arrhythmia and non-invasive electrophysiology in a porcine ischemia-reperfusion model <i>Jacob Odenstedt, Sweden</i> The cost-effectiveness of stress testing using high-frequency QRS analysis <i>Guy Amit, Israel</i>
12.30 - 13.30	<b>Lunch and Exhibition</b>
<b>Keynote Lectures - Main Lecture Hall</b> <i>Chair: Rolf Johansson, Sweden</i>	
13.30 - 14.00	Integrative modeling of cardiac subsystems and their contribution to pharmaceutical and surgical therapy design <i>Blanca Rodriguez, UK</i>
14.00 - 14.30	Integrative modeling of Cardiac arrhythmias (electro-mechanical) <i>Adriaan van Oosterom, The Netherlands</i>
14.30 - 15.00	<b>Poster Session and Coffee</b>
15.00 - 16.30	<b>Holter Monitoring and Replacant Loop Recorders</b> Featured Abstract Session <b>Main Lecture Hall</b> <i>Chairs: Ljuba Bacharova, Slovakia &amp; Steen Juul-Møller, Sweden</i> Continuous and long term monitoring of atrial fibrillation: Why, when and how to use implantable loop recorders <i>Shantanu Sarkar, USA</i> When the heart stops a while: reflex asystole during the head-up tilt test <i>Artur Fedorowski, Sweden</i> Surface ECG ventricular arrhythmia synthesis from intracardiac signals: an animal study <i>Guy Carrault, France</i> Implantable loop recorders in diagnostics of mechanisms of unexplained syncope in children with apparently normal heart <i>Maria Shkolnikova, Russia</i> Does IRIS merely show a switch of the mode of death? <i>Georg Schmidt, Germany</i>
15.00 - 16.30	<b>ISHNE Corner: ECG-based Predictors of Clinical Outcome</b> <b>Konserteralen</b> <i>Chairs: Arthur Moss, USA &amp; Johan Brandt, Sweden</i> Risk stratification by HRT and DC in diabetic post-MI patients <i>Georg Schmidt, Germany</i> Risk stratification in patients with preserved LVEF <i>Iwona Cygankiewicz, Poland</i> Risk stratification using ILR-ECG in CHARISMA study <i>Christian Jøns, Denmark</i> Atrial electrophysiology markers as predictors of outcome <i>Fredrik Holmqvist, Sweden</i> Which QTc interval estimate is better for predicting sudden death? <i>Siegfried Perz, Germany</i> QRS duration in MADIT-CRT <i>Arthur Moss, USA</i>
15.00 - 16.30	<b>Computational Cardiology</b> Abstract Session <b>Nya Festsalen</b> <i>Chairs: Rob MacLeod, USA &amp; Luca Faes, Italy</i> A non-dimensional study of the passive bidomain equation <i>Peter Johnston, Australia</i> Combining initialization and solution inverse methods for inverse electrocardiography <i>Dana Brooks, USA</i> Influence of torso inhomogeneities on inverse localization of two ischemic lesions <i>Jana Macugova, Slovakia</i> What does reflect the Tpeak-Tend interval? Model study <i>Jan Azarov, Russia</i> Source identification in atrial fibrillation by velocity field analysis <i>Michela Masè, Italy</i> In silico localization of fibrillation in canine atrial tissue using detailed ion-channel models including drug interaction effects <i>Mats Jirstrand, Sweden</i>
19.00	<b>Banquet Dinner at the Grand Hotel</b>

Time	Program
<b>Saturday, June 5, 2010</b>	
<b>Keynote Lectures - Main Lecture Hall</b> <i>Chair: Bertil Olsson, Sweden</i>	
08.30 - 09.00	Progress in AF diagnosis and management <i>John Camm, UK</i>
09.00 - 09.30	Vectorcardiographic repolarization analysis in cardiac ischemia, memory & fatigue <i>Lennart Bergfeldt, Sweden</i>
09.30 - 10.30	<b>Poster Session and Coffee</b>
10.30 - 12.00	<b>ECG in STEMI</b> Abstract Session <b>Main Lecture Hall</b> <i>Chairs: Galen Wagner, USA &amp; Christian Juhl Terkelsen, Denmark</i> Normal limits of STJ in African blacks - Implications for STEMI <i>Peter Macfarlane, UK</i> Dynamic ECG changes in acute STEMI <i>Markku Eskola, Finland</i> ECGs of men and women with suspected acute coronary syndrome in the emergency department <i>Catarina Ellehuus Hilmersson, Sweden</i> Electrocardiographic depolarization changes during ischemia in the isolated perfused guinea-pig heart <i>Guy Amit, Israel</i> A simple strategy improves pre-hospital ECG utilization and hospital treatment for patients with acute coronary syndrome: results of the ST SMART study <i>Barbara Drew, USA</i> Prediction of microvascular obstruction following primary percutaneous coronary intervention <i>Jonas Hallén, Norway</i>
10.30 - 12.00	<b>Atrial Electrophysiology</b> Abstract Session <b>Konserteralen</b> <i>Chairs: Fredrik Holmqvist, Sweden &amp; Anders Kirstein-Pedersen, Denmark</i> Effects of acute atrial dilatation on heterogeneity in conduction and arrhythmic vulnerability in the human atrium <i>Walter Mattei, Italy</i> Evaluation of anaesthetic effects with propofol during atrial fibrillation <i>Francisco Castells, Spain</i> A new algorithm for estimating the atrial activity in the frequency domain <i>Raul Llinares, Spain</i> Non-invasive estimation of organization evidences differences between paroxysmal and persistent atrial fibrillation <i>Frida Sandberg, Sweden</i> A novel approach to investigating propagation patterns in endocardial atrial fibrillation signals <i>Ulrike Richter, Sweden</i>
10.30 - 12.00	<b>Ventricular Repolarisation</b> Abstract Session <b>Nya Festsalen</b> <i>Chairs: Lennart Bergfeldt, Sweden &amp; Olle Pahlm, Sweden</i> QT interval prolonging factors in liver cirrhotic patients <i>Ioana Mozos, Romania</i> Primary and secondary repolarization changes in left ventricular hypertrophy: a model study <i>Ljuba Bacharova, Slovakia</i> Ventricular repolarization durations in fibrillating and nonfibrillating cats under experimental coronary occlusion <i>Olesya Bernikova, Russia</i> Variability of early and late phases of repolarization as prognostic markers of cardiac death in patients with anterior myocardial infarction treated with primary PCI- results of prospective 36 months follow-up. <i>Krzysztof Szydio, Poland</i> QTz dynamics is increased in the conscious rabbit with heart failure during heart rate increase. <i>Mari Watanabe, USA</i> Characterization of the electrocardiographic pattern of individuals with cerebral palsy <i>Carlos Alberto Pastore, Brazil</i>
12.00 - 12.30	Significance of static and continuous ECG recording in STEMI <i>Christian Juhl Terkelsen, Denmark</i>
12.30 - 13.00	ST elevation in the ECG - a diagnostic challenge <i>Kjell Nikus, Finland</i>
13.00 - 14.00	<b>Lunch</b>
14.00	General assembly of the International Society of Electrophysiology, Young investigator award ceremony and Closing ceremony <b>Main Lecture Hall</b>