INTERNATIONAL WORKSHOP ON
ADVANCES IN AUTOMATED ECG ANALYSIS AND INTERPRETATION

Friday 18\textsuperscript{th} & Saturday 19\textsuperscript{th}, February, 2011

Resource Person

Prof. Peter W. Macfarlane

(DSc FRCP(Glasg) FESC FRSE)

Emeritus Professor,

(Honorary Senior Research Fellow)

University of Glasgow

Coordinators

Dr. M. V. Vaidyan

Mr. Subhash K. M.

Organised by

Department of Electrical Engineering

National Institute of Technology Calicut

www.nitc.ac.in
Who will benefit?

Practising doctors, faculty members from Universities/Engineering Colleges/Medical colleges, students from health science/Medical Instrumentation/Engineers from Bio-medical Industry will benefit from participating in this workshop.

Registration fee

All participants will have to register in advance by paying the requisite fee as follows.

Industrial participants /Practicing doctors/Teachers : Rs.5000/-
Research Scholars : Rs.3000/-
PG/UG Students : Rs 1000/-
International Participants : USD 250/-

Payment can be made through a demand draft drawn in favour of Co-ordinator “Medical Cybernetics”, payable at SBI, Calicut.

Important Dates:

Last date of receipt of duly filled registration form : 3rd February, 2011
Date of intimation regarding selection : 8th February, 2011

Accommodation can be provided at a chargeable basis on prior request. No TA/DA will be paid.

The duly filled registration forms along with DD can be sent to:

Mr. Subhash K.M.
Assistant Professor
Department of Electrical Engineering,
National Institute of Technology, Calicut
Email id: subhash@nitc.ac.in
Phone no: +914952286353
+919446463671
About the Institute

National Institute of Technology Calicut (NITC), is located about 22 kilometres north-east of Calicut city by the side of Calicut-Mukkom road in a picturesque landscape at the foothills of the Western Ghats. By an act of parliament (ACT 29 of 2007), it is recognized as an institute of national importance, being an outgrowth of popularly known Regional Engineering College established in the year 1961 by the Govt of India. The Institute, which is currently celebrating its Golden Jubilee, has various academic programmes at undergraduate, postgraduate and doctoral levels, training young people as future engineers/scientists in various disciplines of science, engineering and biotechnology and at the same time, fostering national integration by selecting students from all over the country.

Department of Electrical Engineering

Established in 1961, the Electrical Engineering Department offers one undergraduate program in Electrical Engineering with an intake of 140 students and postgraduate programs in Control and Instrumentation, Industrial Power and Automation, Power System and Power Electronics. The department offers research facilities in the latest fields of Drives, Power Electronics, Power Systems, Automation and Control Systems and Biomedical Signal Processing.

About The Workshop

This interactive workshop will have discussions on the basics of electrocardiography, common ECG abnormalities and their interpretation, and the application of computer techniques to ECG analysis, including population studies. There will be practical sessions on ECG interpretation. A review of the six recently published papers detailing the American Heart Association, American College of Cardiology Foundation and Heart Rhythm Society approved Recommendations for the standardization and interpretation of the Electrocardiogram will be included.

This will enable medical practitioners, researchers, teachers, engineers and students to have a better appreciation of the international standards relating to interpretation of ECGs from a various cardiac conditions and to apply simple and cost effective systems for population screening and diagnosis. This is very much needed in a country like India where a high percentage of population cannot afford costly investigations. The workshop may lead to the development of a nodal centre for electrocardiography, thereby giving a platform for research and testing.
Resource Person

Prof Peter W. Macfarlane

Prof Peter Macfarlane is emeritus professor and honorary research fellow in University of Glasgow. He was a founding member of the University Of Glasgow Department Of Medical Cardiology and ultimately was Professor of Electrocardiology until September 2010. His major interest throughout has been the application of computer techniques to ECG interpretation. He is a Fellow of the British Computer Society, the Royal College of Physicians and Surgeons of Glasgow, the European Society of Cardiology and the Royal Society of Edinburgh. He is currently President of the Board of Computers in Cardiology and immediate Past President of the International Society of Electrocardiology.

URL of University of Glasgow-Section of Electrocardiology, Institute of Cardiovascular and Medical Sciences

http://www.glasgow.ac.uk/CARE