ST. LUKE'S INSTITUTE OF CANCER RESEARCH

"New Insights"
into
Electromagnetic Fundamentals
&
Electromagnetic Therapy Applications in both Malignant & Non-Malignant Diseases

Education Centre
St. Luke's Hospital
Highfield Road, Rathgar, Dublin 6

Saturday 9 September 2000 **0900 - 1630 hrs.**

Prior notification of attendance appreciated, as coffee & lunch will be available free of charge.

Please contact Ms. Valerie Owens at St. Luke's Institute of Cancer Research: Phone 4065226; e-mail: valerie.owens@icorg.ie

Programme

0900 hrs.	**Opening Address** Dr. Denis Bailey, Radiotherapist, St. Luke's Hospital
Session 1	*Chair: Dr. Brendan McClean, Chief Physicist, St. Luke's Hospital*
0900 hrs.	**New Insights into Electromagnetic Theory I** Ivor Catt, M.A.(cantab)
1000 hrs.	**New Insights into Electromagnetic Theory II** Dr. David Walton, Dunelm Systems Ltd., Durham
1100 hrs.	*Coffee*
Session 2	*Chair: Mr. Pat Cooney, Principal Physicist / Engineer, St. Luke'sHospital*
1130 hrs.	**New Insights into Electromagnetic Theory III, (including Electromagnetic Compatibility)** Ivor Catt & Dr. David Walton
1300 hrs.	*Buffet Lunch*
Session 3	*Chair: Dr. Michael J. Moriarty, Research Director, St. Luke's Institute of Cancer Research*
1400 hrs.	**Electromagnetism - Therapeutic Applications** Dr. Denis Bailey, Radiotherapist, St. Luke's Hospital

1500 hrs.	**Computer Modelling of Electromagnetic Fields** Prof. David Rodger, Dept. of Electrical Engineering, University of Bath
1600 hrs.	**Plenary Session** **Chair: Mr. Pat Cooney, Principal Physicist / Engineer, St. Luke's Hospital**
1630 hrs.	*Close of Meeting*

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Ivor Catt and Dr. David Walton have been collaborators for many years in elaborating some electromagnetic fundamentals. They have jointly given symposia on this topic to various technical institutions in the U.K. Dr. David Walton is a former lecturer in the Physics Department of Trinity College Dublin and has co-authored a number of books on this subject with Ivor Catt. They will present their insights, looking at some of the implications, with particular reference to electromagnetic compatibility.

Dr. Denis Bailey is a Radiotherapist in St. Lukes's Hospital, Dublin. In recent years he has been researching the theoretical and clinical possibilities of the therapeutic use of non-ionising electromagnetic radiation.

David Rodger was born in 1951, was awarded the degree of BSc (Eng) from the University of Aberdeen and was appointed to the University of Bath as a research officer in 1977. He has been a Professor in the School of Electronic and Electrical Engineering since 1990. He is a member of the International Steering Committee of COMPUMAG Conference on the calculation of Electromagnetic fields and a member of TEAM (Testing Electromagnetic Analysis Methods) Planning Board. He specialises in the numerical solution of electromagnetic field problems using finite elements. He has published around 100 papers on this topic and on the application of numerical analysis to electrical machines.