

The Cockcroft Institute till 2017 A Celebration



The Cockcroft Institute
of Accelerator Science and Technology

An international centre for research into
accelerator science and technology



The Cockcroft Institute
of Accelerator Science and Technology

The Cockcroft Institute
Daresbury Science and Innovation Campus, Keckwick Lane, Daresbury, Warrington,
Cheshire WA4 4AD, United Kingdom

www.cockcroft.ac.uk



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Programme

Merrison Lecture Theatre

15:30 Welcome

Professor Swapan Chattopadhyay,
Director: Cockcroft Institute

15:40 Speakers

Prof Jon Saunders (Deputy Vice Chancellor) to speak for Prof. Sir Howard Newby, Vice Chancellor, University of Liverpool (on behalf of Universities of Liverpool, Manchester and Lancaster)

Dr. Mike Dexter FRS, Past Chair of the Cockcroft Institute Board.

Prof. John Womersley, Director of Programmes, STFC

Prof. Georg Hoffstaetter, Cornell University and Chair, Scientific Advisory Committee of the Cockcroft Institute (and on behalf of Prof. Maury Tigner, USA)

Prof. Peter Saraga, Chair, Cockcroft Institute Industrial Advisory Committee

Dr. George Baxter, Director of Science and Innovation, NWDA

Mr. Christopher Cockcroft, Distinguished Affiliate, Cockcroft Institute.

Mr. Phil Willis, MP for Harrogate & Knaresborough & Chair, House Select Committee on Science and Technology

16:10 Accelerators as tools of Discovery, Innovation and Global Collaboration

Prof. Rolf Heuer, Director-General, CERN

16:30 Free Electron Lasers

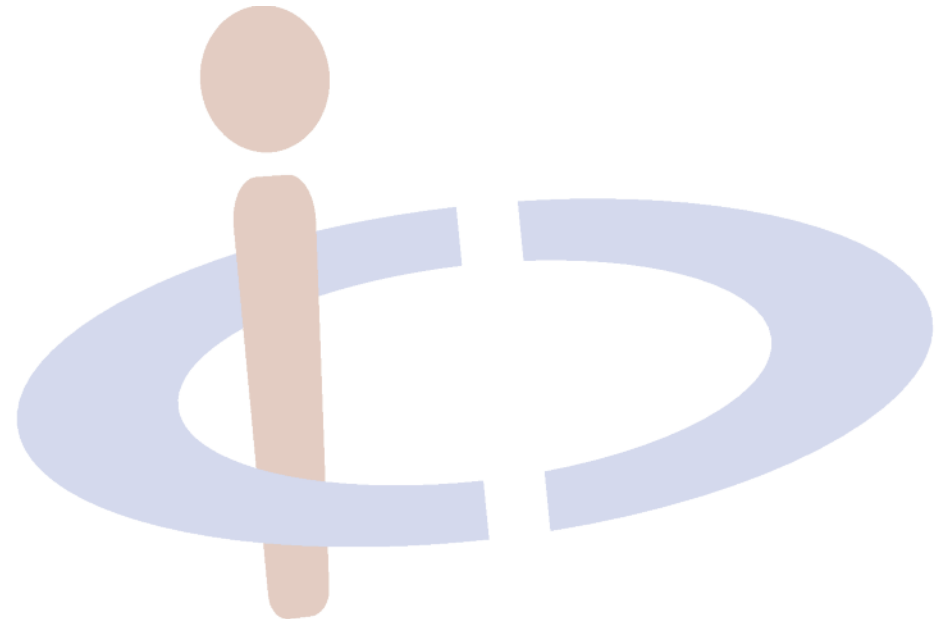
Prof. John Madey, University Distinguished Professor, University of Hawaii

16:55 Closing Remarks and Thanks

Professor Swapan Chattopadhyay,
Director: Cockcroft Institute

Cockcroft Institute Atrium

17:00 -18:00 Reception and Special Dedication





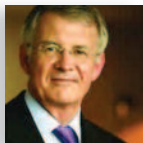
Dr. Mike Dexter FRS, Past Chair, Cockcroft Institute Board
 "...But, none of this could have happened were it not for the vision and brilliance of the scientists in Liverpool, Lancaster, Manchester and Daresbury. It is their persistence and scientific excellence that has made the Cockcroft possible and enabled us to look forward to a secure funding. And of course it is because of their research that Swapan was attracted to the Cockcroft Institute as the Inaugural Director, for taking the Institute forward under his leadership"



Prof. Maury Tigner, Director, Newman Laboratory, Cornell University
 "Please accept the deeply heartfelt congratulations of your colleagues at the Cornell Laboratory for Accelerator-based Sciences and Education upon the renewal of the Cockcroft Institute grant. This is a marvelous event indeed. No doubt the success is a reflection of the international peer status as well as the fundamental contributions in science and global leadership of our scientific and engineering colleagues at the Cockcroft Institute."



Prof. Sir Howard Newby
 Vice-Chancellor,
 University of
 Liverpool



Prof. Alan Gilbert
 President &
 Vice-Chancellor,
 University of
 Manchester



Prof. Paul Wellings
 Vice-Chancellor,
 Lancaster University



Prof. Jon Saunders, Deputy Vice Chancellor, University of Liverpool
 "The success of the Cockcroft Institute model has proved that three otherwise fiercely independent and competitive universities can work together productively with a Research Council and other partners to produce world class science."



Mr. Christopher Cockcroft, Distinguished Affiliate
 "May I offer my congratulations on behalf of my late father and my family to The Cockcroft Institute on securing the funding renewal, together with our best wishes for the future of National and International Accelerator Science and Technology."



Prof. Steven Holloway
 Pro-Vice-Chancellor,
 University of
 Liverpool



Prof. Mary Smyth
 Dean of Science &
 Engineering
 Lancaster
 University



Prof. Colin Bailey
 Dean of Science &
 Engineering
 University of
 Manchester



Mr. Phil Willis
 MP for Harrogate & Knaresborough.
 Chair, House Select Committee on Science and Technology



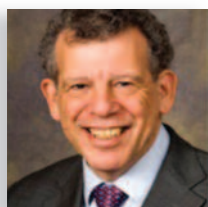
Prof. John Womersley, Director of Programmes, STFC
 "The Cockcroft Institute is recognised as an international centre of excellence in accelerator science and technology, and has played a central role in re-establishing these capabilities in the UK and enabling the country to compete at a global level. STFC is pleased to continue to support the Institute and will work with it to develop its programme in order to make significant scientific and technological contributions to particle accelerators, research facilities and global challenges."



Dr. George Baxter, Director of Science and Innovation, NWDA
 "NWDA has been delighted to support the Cockcroft Institute it has demonstrated that the Northwest can match anywhere in the world in scientific excellence. Warmest congratulations."



Prof. Georg Hoffstaetter, Chair, Science Advisory Committee
 "I have been extremely pleased to hear about the extension of the Cockcroft Institute's grant to 2017. This reflects the high respect your institute has earned. Therefore, please accept my sincere congratulations to you personally and to the full Cockcroft Institute's team."



Prof. Peter Saraga, Chair, Industrial Advisory Committee
 "I am delighted that the Cockcroft institute has had its core grant renewed up to 2017 and that it is able to continue and grow its world class program of research, and also develop the impact of its work in key areas of economic and social challenge including Energy, Health and Security."



Prof. John M.J. Madey is a Distinguished University Professor at the University of Hawaii at Manoa, USA. He is universally credited for the invention, pioneering developments and the construction of the world's first Free Electron laser at Stanford University in 1971. Prior to his current position, he was a senior professor at Duke University, USA and director of the Duke University FEL facility, which he helped construct. Prof. Madey studied at California Institute of Technology under the tutelage of such giants as Prof. Richard Feynman.



Professor Rolf-Dieter Heuer is an experimental particle physicist and is the Director-General of CERN (European Laboratory for Particle Physics). A period of a few years as a research director at DESY (German Electron Synchrotron Laboratory) bridged his current position to 15 years of his previous experience at CERN in highest managerial positions in the OPAL experiment at its LEP collider. Born in 1948 in Boll/Goepfingen, he studied physics at the University of Stuttgart where he graduated in 1974, and obtained his PhD at the University of Heidelberg in 1977 under the supervision of Prof. Joachim Heintze. Most of his scientific work has been related to the study of electron-positron reactions, development of experimental techniques, as well as construction and running of large experiments.

“...Accelerators play an increasingly important role in many areas of science and applications and the Cockcroft Institute together with its partners like CERN is ideally placed to play an essential role in accelerator science and education.”