

おしらせ(その1)

### 1978 Harwell Conference

会議の first circular を以下に示します。この会議についての問合せは organising committee の member である原研 塚田甲子男氏 (319-11 茨城県那珂郡東海村 日本原子力研究所東海研物理部, Tel(02928)2-5445) にお願ひします。

First Circular

February 1977

International Conference on Neutron Physics  
and Nuclear Data for Reactors and other Applied Purposes

25 to 29 September 1978

Venue	Harwell
Organised by the	Nuclear Energy Agency and the United Kingdom Atomic Energy Authority with the co-operation of the International Atomic Energy Agency,
Aim and scope	<p>The aim of the Conference is to bring together scientists who are interested in the use, measurement, calculation and evaluation of neutron and nuclear data for applied purposes. The greater part of the conference will be related to the needs of the fission reactor programme - the design, operation, safety and shielding of such reactors, the processing of fuel and the storage or disposal of nuclear waste - but a large fraction of time will be devoted to the data related to fusion reactors, to bio-medical needs, and to other applied purposes. There will be about 30 invited speakers and time for 50 contributed papers.</p> <p>The conference will complement the multiennial conferences at Washington on nuclear Cross Sections and Technology and at Kiev on Neutron Physics and will provide a more readily accessible forum for scientists in western Europe. It is hoped that future meetings in this series initiated at Harwell will form a triennial cyclic pattern with the "Washington" and "Kiev" series.</p>
Attendance	For reasons of space the number of participants is limited to 230.
Languages	The Conference languages will be English and French for oral presentation and publication. Simultaneous interpretation will be available.
Submission and publication of papers	The acceptance of contributed papers will be the responsibility of the organising committee. One page summaries will be required by 23 June 1978 and the full text by 25 September 1978.

	The accepted summaries will be published and issued to participants by the first day of the conference. The Conference Proceedings will be published and sold by the NEA .	
Accommodation	Will be available in student rooms at St. Catherine's College, Oxford.	
Conference Fee	A conference fee designed to cover direct costs will be charged to participants. The exact fee, expected to be in the region of £50, will be announced in the second circular in the autumn of 1977.	
Social Activities	Delegates will be invited to a reception and a concert. At optional extra cost there will be an afternoon excursion to an historic site, a Conference Dinner and, for a limited number, on Friday evening, a visit to the Shakespeare Memorial Theatre at Stratford-upon-Avon.	
Further information	A second circular will be sent in late 1977 to those who return the attached form by 25 September 1977. Enquiries should be addressed to Dr. G.D. James, Conference Secretary, Nuclear Physics Division 7.21, AERE, Harwell, Oxfordshire OX11 0RA, England.	
Organising Committee	J-Y. Barré (France), K.H. Böckhoff (Belgium), C.G. Campbell (U.K.), C. Coceva (Italy), H. Condé (Sweden), S.W. Cierjacks (Germany), U. Farinelli (Italy), A.T.G. Ferguson (U.K.), J. Hirota (Japan), G.D. James (U.K.) Conference Secretary, J.E. Lynn (U.K.) Deputy Chairman, A. Michaudon (France), S.M. Qaim (Germany), B. Rose (U.K.) Conference Chairman, J. Rosen (NEA), M.G. Sowerby (U.K.), J.S. Story (U.K.) and K. Tsukada (Japan).	
International Advisory Committee	R.E. Chrien (U.S.A.), W.G. Cross (Canada), H.E. Jackson (U.S.A.), M.K. Mehta (India), F.C. Maienschein (U.S.A.), H.T. Motz (U.S.A.), G.L. Rogosa (U.S.A.), J.J. Schmidt (IAEA), A.B. Smith (U.S.A.) C.E. Till (U.S.A.) and L.N. Usachev (U.S.S.R.)	
Local Committee	A.T.G. Ferguson, G.D. James, B. Rose and J.E. Lynn.	
Administration	C.J.A. Preuveneers (U.K.) and E. Silvera (NEA).	
Provisional Programme	Registration at St. Catherine's College Oxford.	Sunday evening
	Registration at Harwell	Monday morning

Provisional  
programme

Opening Session	
Nuclear Data for Fission Reactors	
Design, operation and safety requirements	
Shielding requirements	
Correlated uncertainties in nuclear data	
Neutron Cross Sections	Monday afternoon
Fission cross sections	
Neutron inelastic scattering	
Photon production by neutrons	
Reception	Monday evening
Neutron Cross Sections	Tuesday morning
U-238 resonance structure	
Structural materials	
Capture calculations	
Nuclear Models and Theoretical Methods	Tuesday afternoon
Level density models	
Optical model calculations	
Hartree-Fock methods	
Concert	Tuesday evening
Nuclear Data for Fuel Management	Wednesday morning
Fuel handling, reprocessing and waste management	
Fission product and actinide data	
Fission yield data	
Excursion	Wednesday afternoon
Neutrons and Data for Biomedicine and Analysis	Thursday morning
Biomedical neutrons	
Biomedical data needs	
Neutron interrogation analysis	
Facilities and techniques	Thursday afternoon
Neutron sources	
Counter techniques	
Conference Dinner	Thursday evening

<b>Provisional programme</b>	<b>Nuclear Data for Safeguards and Trans-actinium cross sections</b>  Safeguards requirements Cross section measurements	<b>Friday morning</b>
	<b>Nuclear Data for Fusion Reactors</b>  Fusion data requirements Neutron threshold reactions Fast neutron reaction mechanisms	<b>Friday afternoon</b>
	<b>Shakespeare Memorial Theatre Play</b>	<b>Friday evening</b>