

13. OTHER FUSION-RELATED ACTIVITIES

13.1. COLLABORATION WITH PORTUGUESE UNIVERSITIES

The Association EURATOM/IST has proceeded the collaboration with portuguese universities in graduate and post-graduate education and training programmes, in physics, plasma engineering and technologies related with plasma fusion. In particular, one Master degree and two Ph. D. degrees have been obtained by members of the CFN staff.

13.2. PARTICIPATION IN SCIENTIFIC MEETINGS

■ Members of the CFN staff have presented contributed papers on 12 scientific meetings

■ Prof. Maria Emilia Manso has presented an invited talk in the “28th EPS Conference on Controlled Fusion and Plasma Physics”, held in Funchal.

■ Prof. Horacio Fernandes has presented an invited talk in the “14th IAEA Technical Committee Meeting on Research Using Small Fusion Devices”, held in S.Paulo.

■ Five members of the CFN staff (Horacio Fernandes, Nuno Cruz, Rita Pereira, Antonio Batista e Antonio Pinto Rodrigues) have presented oral contributions in the “3rd IAEA Technical Committee Meeting on control, Data Acquisition and Remote Participation on Fusion Research”, held in Padova.

13.3. ORGANIZATION OF SCIENTIFIC MEETINGS AND EXHIBITIONS

■ CFN organized the “28th EPS Conference on Controlled Fusion and Plasma Physics”, held in Funchal, on 18-22 June 2001.

This conference was attended by 620 participants from 34 countries. Invited and contributed papers, now available at the conference website, will be published in a CD-ROM by the end of 2001. A special issue of Plasma Physics and Controlled Fusion, containing the invited talks, will be also published in December 2001.

■ Prof. Carlos Varandas:

- was member of the Programme Committee of the “3rd IAEA Technical Committee Meeting on Control, Data Acquisition and Remote Participation on Fusion Research, held in Padova, on 16-19 July 2001;

- was the Chairman of the Local Organizing Committee and member of the Programme Committee of the “28th EPS Conference on Controlled Fusion and Plasma Physics”;
- is the Chairman of the Programme Committee of the “29th EPS Conference on Plasma Physics and Controlled Fusion”, to be held in June 2002, in Montreux.

■ Prof. Maria Emilia. Manso:

- was member of the Programme Committee of the 5th International Workshop on Reflectometry, held in Toki, Japan, on 5-7 March 2001
- was the Vice-Chairman of the Local Organizing Committee of the “28th EPS Conference on Controlled Fusion and Plasma Physics”.

■ Dr. Carlos Silva was member of the Programme Committee of the 4th Europhysics Workshop on Role of Electric Fields in Plasma Confinement and Exhaust”, held in Funchal, on 24-25 June 2001.

13.4. PARTICIPATION IN THE MANAGEMENT OF THE EUROPEAN FUSION PROGRAMME

■ Some members of the Association EURATOM/IST are delegates to Committees of the European Fusion Programme and of the European Fusion Development Agreement (Table 13.1).

■ Prof. Carlos Varandas is:

- Chairman of the EFDA¹ Steering Committee
- Vice-Chairman of the “CCE-FU² Special Working Group on Possible Joint Implementation of ITER”.

13.5. PARTICIPATION IN OTHER FUSION MANAGEMENT COMMITTEES

■ Prof. Maria Emilia Manso is the Chairman of the International Advisory Board on Reflectometry

■ Prof. Carlos Varandas, in his position of Chairman of the EFDA Steering Committee, was appointed by CCE-FU in its meeting of October 12th, member of the Steering Committees of the Bilateral Agreements of EURATOM with Russia, Japan and the US Department of Energy.

¹ EFDA means “European Fusion Development Agreement”.

² CCE-FU means “Consultative Committee for the EURATOM Specific Research and Training Programme in the Field of Nuclear Energy (Fusion).

Name	Member of
Carlos Varandas	CCE-FU
	EFDA Steering Committee
	FTC ³
	CFI ⁴
Maria Emilia Manso	CCE-FU
	EFDA Steering Committee
Fernando Serra	EFDA JET Sub-Committee
	FPC ⁵
J.P. Bizarro	FPC
J. Carvalho Soares	STC
	EFDA Technology Sub-Committee
J. Tito Mendonça	Coordinating Committee of Inertial Fusion Energy

Table 13.1 – Participation of members of the Association EURATOM/IST on the management of the European Fusion Programme and of the European Fusion Development Agreement

13.6. PUBLIC UNDERSTANDING OF NUCLEAR FUSION

During 2001 CFN has participated and/or promoted the following events aiming at increasing the public understanding of Nuclear Fusion:

- Special issue about science and technology of “Publico”, a Portuguese wide circulation daily newspaper
- Fair on Science, Technology and Innovation, at EXPONOR, Porto, from 7 to 10 November
- Week of Science and Technology, from to November
- Open Day of the Research and Development Institutions
- Consultorio on Science and Technology in the internet
- Visit to the JET Facilities of 11 students from Secondary Schools that participated on the concourse about “Fusion, Environment and Energy”, organized by CFN in 2000,
- Improvement of the CFN Web site

³ FTC means Fusion Technology Committee

⁴ CFI means Committee Fusion Industry

⁵ FPC means Fusion Physics Committee