

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, three¹ Master degree and four² 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 68 contributed papers on 17 scientific meetings
- Mr. D. Borba gave an invited talk (“Recent alpha particle collective instabilities studies on JET”) in the 11th International Congress on Plasma Physics 2002, Sydney, Australia 15-19 July 2002.
- Eight oral contributions have been presented in scientific meetings
- Mr. D. Borba was Chairman of the session on MHD Stability Issues at 10th European Fusion Physics Workshop, Vaals, the Netherlands.

13.3. ORGANIZATION OF SCIENTIFIC MEETINGS AND EXHIBITIONS

- Prof. Carlos Varandas was the Chairman of the Programme Committee of the “29th EPS Conference on Plasma Physics and Controlled Fusion”, 18-22 June 2002, Montreux.
- Preliminary activities concerning the organization of “20th IAEA Fusion Energy Conference” in Portugal, in 2004 have been performed.
- Prof. Carlos Varandas is member of the Programme Committee of the “30th EPS Conference on Controlled Fusion and Plasma Physics”, to be held in July 2003, in S. Petersburg.
- Dr. Jorge Sousa is member of the Programme Committee of the “4th IAEA Technical Committee Meeting on Control, Data Acquisition and Remote Participation on Fusion Research, to be held in S. Diego, in July 2004.

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 EFDA Steering Committee
- Vice-Chairman of the “CCE-FU³ 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.
- Prof. Fernando Serra is a EU member of the ITPA (International Tokamak Physics Activity) Topical Group on Diagnostics.

13.6. PUBLIC UNDERSTANDING OF NUCLEAR FUSION

- Improvement of the CFN Web site (in Portuguese and English)
- Prof. Varandas has chaired a round table about “JET in the route to ITER”, in Brussels, on 13 November 2002.

¹ Rita Costa Pereira, Teresa Madeira and Paulo Rodrigues

² Jorge Sousa, Paulo Varela, Jorge Belo and Manuel Peres Alonso

³ 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 ⁴
	CFI ⁵
Maria Emília Manso	CCE-FU
	EFDA Steering Committee
Fernando Serra	EFDA JET Sub-Committee
	FPC ⁶ /STAC ⁷
J.P. Bizarro	FPC/STAC
J. Carvalho Soares	STC ⁸
	EFDA Technology Sub-Committee
J. Tito Mendonça	Coordinating Committee of Inertial Fusion Energy
Carlos Silva	AFAC ⁹

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

⁴ FTC means “Fusion Technology Committee”.

⁵ CFI means “Committee Fusion Industry”.

⁶ FPC means “Fusion Physics Committee”.

⁷ STAC means “Scientific and Technical Advisory Committee”.

⁸ STC means “Scientific and Technical Committee”.

⁹ AFAC means “Administrative and Financial Advisory Committee”.