



Papers in conference proceedings

Author(s)	Paper title	Conference	Volume, page	Year
Baião D, F Medina, M Ochando, and C Varandas	Core electron temperature diagnostic for high-density plasmas in the TJ-II stellarator	37th EPS Conference on Plasma Physics	34A, P5.101	2010
Ochando M A, F L Tabarés, D Tafalla, F Medina, I Pastor, D Baião, M Liniers, E Ascasíbar, T Estrada, D López-Bruna, and TJ-II team	Nitrogen-injection effects on NBI heated TJ-II plasma profiles under Li wall conditions: impurity screening and role of rational surfaces	37th EPS Conference on Plasma Physics	34A, P1.1075	2010
A. P. Rodrigues, M. Correia, A. Batista, J. Sousa, B. Gonçalves, C.M.B. Correia, C. A. F. Varandas	Intelligent Platform Management Controller for Nuclear Fusion Fast Plant System Controllers	17th NPSS Real-Time Conference RT 2010, May 24-28 Lisbon		2010
J. Sousa, A.M. Fernandes, A.J.N. Batista, M. Correia, H. Fernandes, B.B. Carvalho, B. Gonçalves, C.A.F. Varandas	An overview of the ATCA® timing and synchronization resources for control and data acquisition	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon
B. Gonçalves, J. Sousa, B. Carvalho, A.P. Rodrigues, M. Correia, A. Batista, J. Vega, M. Ruiz, J.M. López, R. Castro Rojo, A. Wallander, N.	Engineering design of ITER Prototype Fast Plant System Controller	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon

B. Publications and contributions in conferences and workshops

Utzel, A. Neto, D. Alves, D. Valcárcel				
B. Gonçalves, J. Sousa, B. Carvalho, A.P. Rodrigues, M. Correia, A. Batista, J. Vega, M. Ruiz, J.M. López, R. Castro, A. Wallander, N. Utzel, P. Makijarvi, S. Simrock, A. Neto, D. Alves, D. F. Valcárcel, P. Lousã, F. Piedade, L. Fernandes	ITER Prototype Fast Plant System Controller	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 – October 1, Porto
V. Livramento, D. Nunes, J.B. Correia, P.A. Carvalho, R. Mateus, K. Hanada, N. Shohoji, H. Fernandes, C. Silva, E. Alves	Tungsten- tantalum composites for plasma facing components	First International Conference on Materials for Energy	A, P. 268	2010, 04-08 July Karlsruhe, Germany
	INTELLIGENT PLATFORM MANAGEMENT CONTROLLER FOR NUCLEAR FUSION FAST CONTROL PLANT SYSTEMS	17th NPSS Real- Time Conference RT 2010		2010, May 24-28 Lisbon
	Integration of EPICS Subsystem Control in FireSignal	17th NPSS Real- Time Conference RT 2010		2010, May 24-28 Lisbon
	EPICS IOC module development and implementation for the ISTTOK machine	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 - October 1, Porto

	subsystem control and operation			
M. Tardocchi, V.G. Kiptily, M. Nocente, I. Proverbio, I. Chugunov, R. Costa Pereira, T. Edlington, A. M. Fernandes, G. Ericsson, M. Gatu Johnson, D. Gin, G. Grosso, C. Hellesen, K. Kneupner, A. Murari, A. Neto, E. Perelli Cippo, A. Pietropaolo, S. Sharapov, A. Shevelev, J. Sousa, B. Syme, G. Gorini and JET-EFDA contributors	High resolution gamma-ray spectroscopy observations in JET 4He plasmas with ICRH	37th EPS Conference on Plasma Physics	34A, O4.119	2010
J. Figueiredo, G. Naylor, M. Walsh, M. Dunstan, R. Scannell, and F. Serra	MAST YAG Thomson scattering upgrade alignment system	18th Topical Conference on High-Temperature Plasma Diagnostics, May 16-20, 2010	Rev. Sci. Instrum. 81, 10D521	2010
R. Scannell, M. J. Walsh, M. R. Dunstan, J. Figueiredo, G. Naylor, T. O’Gorman ¹ , S. Shibaev, K. J. Gibson, and H. Wilson	A 130 point Nd:YAG Thomson scattering diagnostic on MAST	18th Topical Conference on High-Temperature Plasma Diagnostics, May 16-20, 2010	Rev. Sci. Instrum. 81, 10D520	2010
Kocsis, G., Alonso, J., Alper, B., Arnoux, G., Figueiredo, J., Frigione, D., Garzotti, L., Lampert, M., Lang,	Comparison of the onset of pellet triggered and spontaneous ELMs	37th EPS Conference on Plasma Physics, 21 - 25 June 2010	P4.136	2010

B. Publications and contributions in conferences and workshops

P., Petravich, G., Wenninger, R.				
Using Magnetic Diagnostics to Extrapolate Operational Limits in Elongated Tokamak Plasmas	T. Bellizio, R. Albanese, M. Ariola, G. Artaserse, F. Crisanti, V. Coccorese, G. De Tommasi, P. J. Lomas, F. Maviglia, A. Neto, A. Pironti, F. Rimini, F. Sartori, R. Vitelli, L. Zabeo	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon
A Survey of Recent MARTE Based Systems	A. Neto, D. Alves, L. Boncagni, P. J. Carvalho, D. F. Valcarcel, A. Barbalace, H. Fernandes, F. Sartori, R. Vitelli, G. De Tommasi, L. Zabeo	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon
Performance Comparison of EPICS IOC and MARTE in a Hard Real-Time Control Application	A. Barbalace, G. Manduchi, G. De Tommasi, D. Valcarcel, A. Neto, F. Sartori	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon
Architecture Based on MARTE and RTNet (CHECK!)	L. Boncagni, D. Carnevale, G. Mazzitelli, A. Neto, D. Pucci, F. Sartori, S. Sinibaldi, V. Vitale, R. Vitelli, Y. Sadeghi, L. Zaccarian	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon
Real-Time Systems in Tokamak Devices.	G. De Tommasi, D. Alves, T. Bellizio, R. Felton, A. Neto, F. Sartori, R.	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon

B. Publications and contributions in conferences and workshops

a Case Study: the JET Tokamak	Vitelli, L. Zabeo, R. Albanese, G. Ambrosino, P. Lomas			
First Steps in the FTU Migration Towards a Modular and Distributed Real Time Control Architecture Based on MARTE and RTNet (CHECK!)	L. Boncagni, D. Carnevale, G. Mazzitelli, A. Neto, D. Pucci, F. Sartori, S. Sinibaldi, V. Vitale, R. Vitelli, Y. Sadeghi, L. Zaccarian	17th NPSS Real-Time Conference RT 2010		2010, May 24-28 Lisbon
First Plasma Operation of the Enhanced JET Vertical Stabilisation System	F.G Rimini, F. Crisanti, R. Albanese, G. Ambrosino, M. Ariola, G. Artaserse, T. Bellizio, V. Coccoresse, G. De Tommasi, P. De Vries, P.J. Lomas, F. Maviglia, A. Neto, I. Nunes, A. Pironti, G. Ramogida, F. Sartori, S.R. Shaw, M. Tsalas, R. Vitelli, L. Zabeo,	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 October 1, Porto
A MARTE based simulator for the JET Vertical Stabilization System	T. Bellizio, G. De Tommasi, N. Risoli, A. Neto	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 October 1, Porto
Overview of modelling activities for plasma control upgrade in JET	R. Albanese, G. Ambrosino, M. Ariola, G. Artaserse, T. Bellizio, V. Coccoresse, F. Crisanti, G. De	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 October 1, Porto

B. Publications and contributions in conferences and workshops

	<p>tommasi, R. Fresa, P.J. Lomas, M. Mattei, F. Maviglia, A. Neto, F. Piccolo, A. Pironti, A. Portone, F. G. Rimini, F. Sartori, A. Sorrentino, V. Toigo, F. Villone, B. Viola, L. Zabeo</p>			
<p>The New JET Vertical Stabilization System with the Enhanced Radial Field Amplifier and its Relevance for ITER</p>	<p>M. Ariola, F. Crisanti, F. Rimini, R. Albanese, G. Ambrosino, G. Artaserse, T. Bellizio, V. Coccoresse, G. De Tommasi, P.J. Lomas, F. Maviglia, A. Neto, A. Pironti, G. Ramogida, F. Sartori, R. Vitelli, L. Zabeo</p>	<p>23rd IAEA Fusion Energy Conference</p>		<p>2010, October 10-16, Daejon, Korea Rep. of</p>
<p>D.F. Valcárcel, A. Neto, I.S. Carvalho, B.B. Carvalho, H. Fernandes, J. Sousa, F. Janky, J. Havlicek, R. Beno, J. Horacek, M. Hron, R. Pánek</p>	<p>The COMPASS Tokamak Plasma Control Software Performance</p>	<p>17th NPSS Real-Time Conference RT 2010</p>		<p>2010, May 24-28 Lisbon</p>
<p>Daniel F. Valcárcel, Antonio Barbalace, André Neto, André S. Duarte, Diogo Alves, Bernardo B. Carvalho, Pedro J. Carvalho, Jorge Sousa, Horácio Fernandes, Bruno Gonçalves, Filippo</p>	<p>EPICS as a MARTE Configuration Environment</p>	<p>17th NPSS Real-Time Conference RT 2010</p>		<p>2010, May 24-28 Lisbon</p>

B. Publications and contributions in conferences and workshops

Sartori, Gabriele Manduchi				
I.S. Carvalho, D.F. Valcárcel, H. Fernandes, J. Sousa, B.B. Carvalho, A. Neto, J. Havlicek, J. Horacek, F. Janky, R. Beno, M. Hron, R. Pánek	Dynamic compensation for COMPASS tokamak poloidal fields	17th NPSS Real- Time Conference RT 2010		2010, May 24-28 Lisbon
I.S. Carvalho, D.F. Valcárcel, P.J. Carvalho, H. Fernandes, C. Silva, J.C. Fortunato, A.S. Duarte, P. Duarte, A. Neto, T. Pereira, J. Sousa, B.B. Carvalho, A.J.N. Batista	ISTTOK real-time control of AC discharges	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 October 1, Porto
J. Horacek, J. Havlicek, D.F. Valcárcel, R. Beno, V. Weinzettl, F. Janky, M. Hron, R. Panek, I. Duran, J. John, I.S. Carvalho, O. Hronova, J. Stockel	ON FAST VERTICAL PLASMA POSITION FEEDBACK SYSTEM FOR COMPASS TOKAMAK	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 October 1, Porto
F. Janky, D. F. Valcarcel, J. Havlicek, 2, A. Duarte, R. Beno, M. Hron, R. Panek, J. Horacek, O. Kudlacek, J. Sousa, I.S. Carvalho, B.B. Carvalho, H. Fernandes	HORIZONTAL PLASMA POSITION CONTROL FOR COMPASS TOKAMAK	26th Symposium in Fusion Technology SOFT 2010		2010, September 27 October 1, Porto

B. Publications and contributions in conferences and workshops

<p>Yu.K. Kuznetsov, A.G. Elfimov, R.M.O. Galvão, I.C. Nascimento, C. Silva, H. Figueiredo et al</p>	<p>Long-range Correlations, MHD Effects, and Saw- tooth Oscillations in TCABR Biasing and Alfvén Heating Experiments</p>	<p>23rd IAEA Fusion Energy Conference, 11-16 October 2010, Daejon, Rep. of Korea</p>	<p>EXS/P8-1</p>	<p>11-16 October 2010</p>
<p>P. Carvalho, P.Duarte, T.Pereira, R.Coelho, C.Silva and H. Fernandes</p>	<p>Real-Time Tomography System at ISTTOK</p>	<p>17th NPSS Real- Time Conference RT 2010</p>		<p>2010, May 24-28 Lisbon</p>

Invited talks

Conference	Start-end date	Location	Author(s)	Talk title
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B. Publications and contributions in conferences and workshops

<p>18th European Fusion Physics Workshop</p>	<p>6-8 December</p>	<p>Tyrol, Austria</p>	<p>C. Silva</p>	<p>Turbulent transport in the presence of long-range correlations (zonal flows)</p>
<p>19th International Conference on Plasma Surface Interactions</p>	<p>24 - 28 May 2010</p>	<p>San Diego, USA</p>	<p>D. Douai, A. Lyssoivan, V. Philipps, V. Rohde, T. Wauters, T.Blackman, V. Bobkov, S. Brémond, S. Brezinsek, E. de la Cal, T.Coyne, M. Garcia-Munoz, E. Gauthier, T. Gerbaud, M. Graham, S. Jachmich, E.Joffrin, A. Kreter, R. Laengner, P.U. Lamalle, E.Lerche, G. Lombard, M. Maslov, M.-L. Mayoral, P. Mollard, I. Monakhov, A. Miller, J.-M. Noterdaeme, J. Ongena, M.K. Paul, B. Pégourié, R. Pitts, V. Plyusnin, F.C. Schüller, G. Sergienko, M. Shimada, A. Sirinelli, W. Suttrop, C. Sozzi, M. Tsalas, E. Tsitrone, B. Unterberg, D. Van Eester, the TORE SUPRA Team, the TEXTOR Team, the ASDEX Upgrade</p>	<p>Recent results on Ion Cyclotron Wall Conditioning in mid and large size Tokamaks</p>

B. Publications and contributions in conferences and workshops

			Team and JET EFDA Contributors.	
International Conference and School on Plasma Physics and Controlled Fusion and 4th Alushta International Workshop on the Role of Electric Fields in Plasma Confinement in Stellarators and Tokamaks	13 - 18 September 2010	Alushta (Crimea), Ukraine	A. Lysoivan, D. Douai, V. Philipps, S. Brezinsek, R. Koch, E. Lerche, M.-L. Mayoral, J. Ongena, R.A. Pitts, F.C. Schuller, G. Sergienko, D. Van Eester, T. Wauters, T. Blackman, V. Bobkov, E. de la Cal, F. Durodie, E. Gauthier, T. Gerbaud, M. Graham, S. Jachmich, E. Joffrin, A. Kreter, V. Kyrtytsya, P.U. Lamalle, P. Lomas, F. Louche, M. Maslov, V.E. Moiseenko, I. Monakhov, J.-M. Noterdaeme, M.K. Paul, V. Plyusnin, M. Shimada, M. Tsalas, M. Van Schoor, V.L. Vdovin and JET EFDA Contributors	Simulation of ITER ICWC Scenarios in JET
Satellite meeting on "Liquid Metals Application in Fusion Science". 26th Symposium On Fusion Technology	30th of September	Porto, Portugal	R. B. Gomes, H. Fernandes, C. Silva, ISTTOK team and the Latvian association team	Overview of the Interaction of a Liquid Gallium Jet with the Tokamak ISTTOK Edge Plasma
1ª Conferência de Física da Comunidade de Países de Língua Portuguesa	12-16 Setembro de 2010	MAPUTO, MOÇAMBIQUE	H.Fernandes, S. Leal, J. Viana, R. B. Henriques	Laboratórios controlados remotamente

B. Publications and contributions in conferences and workshops

17th NPSS Real-Time Conference RT 2010	May 24-28	Lisbon, Portugal	H. Fernandes	Plasma control @ COMPASS - a vertical solution

Oral contributions

Conference	Start-end date	Location	Author(s)	Talk title
Workshop on Electric Fields, Turbulence and Self-Organisation in Magnetised Plasmas	28-29 June 2010	Dublin, Ireland	C. Silva	Poloidal asymmetries in the ISTOK edge plasma
37th EPS Conference on Plasma Physics	21st-25th June 2010	Dublin, Ireland	M. Tardocchi, V.G. Kiptily, M. Nocente, I. Proverbio, I.	High resolution gamma-ray spectroscopy

B. Publications and contributions in conferences and workshops

			<p>Chugunov, R. Costa Pereira, T. Edlington, A. M. Fernandes, G. Ericsson, M. Gatu Johnson, D. Gin, G. Grosso, C. Hellesen, K. Kneupner, A. Murari, A. Neto, E. Perelli Cippo, A. Pietropaolo, S. Sharapov, A. Shevelev, J. Sousa, B. Syme, G. Gorini and JET-EFDA contributors</p>	<p>observations in JET 4He plasmas with ICRH</p>
<p>17th NPSS Real- Time Conference RT 2010</p>	<p>24-28 May 2010</p>	<p>Lisbon, Portugal</p>	<p>J. Sousa, A.M. Fernandes, A.J.N. Batista, M. Correia, H. Fernandes, B.B. Carvalho, B. Gonçalves, C.A.F. Varandas</p>	<p>An overview of the ATCA® timing and synchronization resources for control and data acquisition</p>
<p>17th NPSS Real- Time Conference RT 2010</p>	<p>24-28 May 2010</p>	<p>Lisbon, Portugal</p>	<p>G. De Tommasi, D. Alves, T. Bellizio, R. Felton, A. Neto, F. Sartori, R. Vitelli, L. Zabeo, R. Albanese, G. Ambrosino, P. Lomas</p>	<p>Real-Time Systems in Tokamak Devices. a Case Study: the JET Tokamak</p>
<p>26th Symposium in Fusion Technology SOFT 2010</p>	<p>27 Sep - 1 Oct 2010</p>	<p>Porto, Portugal</p>	<p>F.G Rimini, F. Crisanti, R. Albanese, G. Ambrosino, M. Ariola, G. Artaserse, T. Bellizio, V. Coccorese, G. De Tommasi, P. De Vries, P.J. Lomas, F. Maviglia, A. Neto, I. Nunes, A. Pironti, G.</p>	<p>First Plasma Operation of the Enhanced JET Vertical Stabilisation System</p>

B. Publications and contributions in conferences and workshops

			Ramogida, F. Sartori, S.R. Shaw, M. Tsalas, R. Vitelli, L. Zabeo,	
EU-US Transport Task Force Workshop	7-10 September 2010	Cordoba, Spain	Pedrosa, M.A., Romero, J.A., Silva, C., Lopez-Bruna, D., Carralero, D., Lopez-Fraguas, A., Hidalgo, C.	Influence of magnetic configuration in the development of long-range correlations in the TJ-II stellarator
23rd IAEA Fusion Energy Conference	11-16 October 2010	Daejon, Rep. of Korea	Y. Xu, S. Jachmich, I. Shesterikov, N. Vianello, M. Spolaore, E. Martines, P. Manz, M. Ramisch, U. Stroth, C. Silva, M. A. Pedrosa, C. Hidalgo, D. Carralero, B. van Milligen	Long-Range Correlations and Edge Transport Bifurcation in Fusion Plasmas
24th Symposium on Plasma Physics and Technology	June 2010	Prague, Czech Republic	H. Fernandes, D.F. Valcárcel, I.S. Carvalho, J.C. Fortunato, A.S. Duarte, T. Pereira, B.Santos, H. Alves, J. Sousa, A. Neto, B.B. Carvalho F. Janky, J. Havlicek, R. Beno, J. Horacek, M. Hron, R. Pánek, J. Stöckel	Overall control of COMPASS tokamak
17ª Conferência Nacional de Física	1-3 Setembro 2010	Vila-Real, Portugal	R. B. Henriques, H. Fernandes, C. Silva, R. Gomes, T. Pereira, P. Duarte	EXPERIMENTAL SETUP FOR RELIABLE PHOTODIODE PLASMA FLUCTUATION

B. Publications and contributions in conferences and workshops

				STUDIES IN ISTTOK
17th NPSS Real-Time Conference RT 2010	May 24-28, 2010	Lisbon, Portugal	Miguel Correia, Jorge Sousa, António P. Rodrigues, António J. N. Batista, Bruno Gonçalves, Carlos A. F. Varandas and Carlos M. B. A. Correia	ATCA/xTCA-based hardware for Control and Data Acquisition on Nuclear Fusion fast control plant systems
Kick-Off Meeting F4E GRT030 Action-3 (HIDOBE PIE, GRT-030-A3)	April 9, 2010	Barcelona, Spain	E. Alves	Post irradiation examination of Be materials irradiated in HIDOBE-01 campaign
Task Force Fusion Technology 2010 Semi-Annual Monitoring and 2011 Kick-off meeting	December 08-10, 2010	JET Culham Science Centre, UK	E. Alves	Post-mortem analysis and simulation (JW10-FT-3.59)

Posters

Conference	Start-end date	Location	Author(s)	Poster title
18th Topical Conference on High-Temperature Plasma Diagnostics	16th-20th May 2010	Wildwood, New Jersey, USA	Baião D, F Medina, M A Ochando, C Varandas, A Molinero, and J Chércoles	Implementation of multifilter based twin-prototypes for core electron temperature measurements in the TJ-II stellarator
37th EPS Conference on Plasma Physics	21st-25th June 2010	Dublin, Ireland	Baião D, F Medina, M Ochando, and C Varandas	Core electron temperature diagnostic for high-density plasmas in the TJ-II stellarator
37th EPS Conference on Plasma Physics	21st-25th June 2010	Dublin, Ireland	Ochando M A, F L Tabarés, D Tafalla, F Medina, I Pastor, D Baião, M Liniers, E Ascasíbar, T Estrada, D López- Bruna, and TJ-II team	Nitrogen-injection effects on NBI heated TJ-II plasma profiles under Li wall conditions: impurity screening and role of rational surfaces
EU-US Transport Task Force Workshop	7-10 September 2010	Cordoba, Spain	C. Silva, C. Hidalgo, M. A. Pedrosa and TJ-II team	Coupling between long-range correlations and radial transport in the TJ-II boundary plasma
18th Topical Conference on High-Temperature Plasma Diagnostics	16-20 May 2010	Wildwood, New Jersey, USA	M. Nocente, M. Tardocchi, I. Chugunov, R. C. Pereira, T. Edlington, A. M. Fernandes, D. Gin, G. Grosso, V. Kiptily, A. Murari, A. Neto, E. Perelli Cippo, A.	Energy resolution of LaBr ₃ (Ce) gamma-ray spectrometer for fusion plasma studies on JET

B. Publications and contributions in conferences and workshops

			Pietro Paolo, I. Proverbio, A. Shevelev, J. Sousa, B. Syme, G. Gorini and JET- EFDA Contributors	
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	A. M. Fernandes, R. C. Pereira, J. Sousa, A. J. N. Batista, A. Combo, B. B. Carvalho, C. M. B. A. Correia, C. A. F. Varandas	HDL based FPGA interface library for data acquisition and multipurpose real time algorithm processing
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	R. C. Pereira, A. M. Fernandes, A. Neto, J. Sousa, J. Cardoso, C. M. B. A. Correia, M. Tardocchi, M. Nocente, G. Gorini, V. Kiptily, B. Syme, M. Jennison and JET- EFDA contributors	Pulse analysis for gamma-ray diagnostics ATCA sub-systems of JET tokamak
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	T. Bellizio, R. Albanese, M. Ariola, G. Artaserse, F. Crisanti, V. Coccorese, G. De Tommasi, P. J. Lomas, F. Maviglia, A. Neto, A. Pironti, F. Rimini, F. Sartori, R. Vitelli, L. Zabeo	Using Magnetic Diagnostics to Extrapolate Operational Limits in Elongated Tokamak Plasmas
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	A. Neto, D. Alves, L. Boncagni, P. J. Carvalho, D. F. Valcarcel, A. Barbalace, H. Fernandes, F. Sartori, R. Vitelli,	A Survey of Recent MARTE Based Systems

B. Publications and contributions in conferences and workshops

			G. De Tommasi, L. Zabeo	
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	A. Barbalace, G. Manduchi, G. De Tommasi, D. Valcarcel, A. Neto, F. Sartori	Performance Comparison of EPICS IOC and MARTE in a Hard Real-Time Control Application
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	L. Boncagni, D. Carnevale, G. Mazzitelli, A. Neto, D. Pucci, F. Sartori, S. Sinibaldi, V. Vitale, R. Vitelli, Y. Sadeghi, L. Zaccarian	Architecture Based on MARTE and RTNet
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	L. Boncagni, D. Carnevale, G. Mazzitelli, A. Neto, D. Pucci, F. Sartori, S. Sinibaldi, V. Vitale, R. Vitelli, Y. Sadeghi, L. Zaccarian	First Steps in the FTU Migration Towards a Modular and Distributed Real Time Control Architecture Based on MARTE and RTNet
26th Symposium in Fusion Technology SOFT 2010	27 Sep - 1 Oct 2010	Porto, Portugal	T. Bellizio, G. De Tommasi, N. Risoli, A. Neto	A MARTE based simulator for the JET Vertical Stabilization System
26th Symposium in Fusion Technology SOFT 2010	27 Sep - 1 Oct 2010	Porto, Portugal	R. Albanese, G. Ambrosino, M. Ariola, G. Artaserse, T. Bellizio, V. Coccoresse, F. Crisanti, G. De Tommasi, R. Fresa, P.J. Lomas, M. Mattei, F. Maviglia, A. Neto, F. Piccolo, A. Pironti, A.	Overview of modelling activities for plasma control upgrade in JET

B. Publications and contributions in conferences and workshops

			Portone, F. G. Rimini, F. Sartori, A. Sorrentino, V. Toigo, F. Villone, B. Viola, L. Zabeo	
23rd IAEA Fusion Energy Conference	10 - 16 Oct 2010	Daejon, Korea Rep. of	M. Ariola, F. Crisanti, F. Rimini, R. Albanese, G. Ambrosino, G. Artaserse, T. Bellizio, V. Coccoresse, G. De Tommasi, P.J. Lomas, F. Maviglia, A. Neto, A. Pironti, G. Ramogida, F. Sartori, R. Vitelli, L. Zabeo	The New JET Vertical Stabilization System with the Enhanced Radial Field Amplifier and its Relevance for ITER
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	D.F. Valcárcel, A. Neto, I.S. Carvalho, B.B. Carvalho, H. Fernandes, J. Sousa, F. Janky, J. Havlicek, R. Beno, J. Horacek, M. Hron, R. Pánek	The COMPASS Tokamak Plasma Control Software Performance
			I.S. Nedzelskiy, A. Korotkov, M. Brix, P. Morgan, J. Vince and JET EFDA Contributors	Characterization of the Li beam probe with a beam profile monitor on JET
18 HTPD	16-20 May 2010	Wildwood, USA	M. Brix, D. Dodt, A. Korotkov, P. Morgan, D. Dunai, R. Fischer, A. Meigs, I. S. Nedzelskiy, J. Schweinzer, J. Vince, S. Zoletnik,	Upgrade of the lithium beam diagnostic at JET

B. Publications and contributions in conferences and workshops

			and EFDA Contributors	
3 ^d EFDA TTG/15 th EU-US TTF	September 2010	Madrid, Spain	I. S. Nedzelskiy, C. Silva, P. Duarte, H. Fernandes	Ion and electron temperature fluctuations measurements using a retarding field analyzer
19th Plasma-Surface Interaction	24th to 28th May 2010	San Diego (USA)	R. B. Gomes, C. Silva, H. Fernandes, P. Duarte, I. Nedzelskiy, O. Lielausis, A. Klyukin and E. Platacis	Influence of the Tokamak ISTTOK Plasmas on a Liquid Gallium Jet Dynamic Behavior
26th Symposium On Fusion Technology	27th of September to 1st October 2010	Porto (Portugal)	R. B. Gomes, R. Mateus, E. Alves, H. Fernandes, C. Silva and P. Duarte	Hydrogen retention in gallium samples exposed to ISTTOK plasmas
26th Symposium On Fusion Technology	27th of September to 1st October 2010	Porto (Portugal)	V. Weinzettl, R. Panek, M. Hron, J. Stockel, F. Zacek, J. Havlicek, P. Bilkova, D. I. Naydenkova, J. Zajac, R. Dejarnac, J. Horacek, J. Adamek, J. Mlynar, F. Janky, M. Aftanas, P. Bohm, J. Brotankova, D. Sestak, I. Duran, R. Melich, D. Jares, J. Ghosh, G. Anda, G. Veres, A. Szappanos, S. Zoletnik, M. Berta, V.F. Shevchenko, R. Scannell, M. Walsh, H.W. Muller, V.	Overview of the COMPASS diagnostics

B. Publications and contributions in conferences and workshops

			Igochine, A. Silva, M. Manso, R. Gomes, Tsv. Popov, D. Sarychev, V.K. Kiselov, S. Nanobashvili	
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	N. Cruz, J.-M. Moret, S. Coda, J. I. Paley, B. P. Duval, A. P. Rodrigues, F. Piras, F. Felici, C. M. B. A. Correia, C. A. F. Varandas	Using APCS for Plasma Vertical Control at TCV
E-MRS 2010 Spring Meeting	7-11 June 2010	Strasbourg, France	V. Livramento, D. Nunes, J.B. Correia, P.A. Carvalho, U. Mardolcar, R. Mateus, K. Hanada, N. Shohoji, H. Fernandes, C. Silva, E. Alves	Tungsten-micro diamond composites for plasma facing components
ENMAT 2010	04-08 July	Karlsruhe, Germany	V. Livramento, D. Nunes, J.B. Correia, P.A. Carvalho, R. Mateus, K. Hanada, N. Shohoji, H. Fernandes, C. Silva, E. Alves	Tungsten-tantalum composites for plasma facing components
26th Symposium On Fusion Technology	27th of September to 1st October 2010	Porto, Portugal	R. Mateus, P.A. Carvalho, D. Nunes, L. Alves, N. Franco, J.B. Correia, E. Alves	Microstructural characterization of the ODS Eurofer 97 EU-batch
26th Symposium On Fusion Technology	27th of September to 1st October 2010	Porto, Portugal	E. Alves, L.C. Alves, N P Barradas, R. Mateus, P.	Surface composition and morphology changes of JET tiles

B. Publications and contributions in conferences and workshops

			Carvalho, J.P.Coad, A. M. Widdowson, J. Likonen, S. Koivuranta and JET-EFDA Contributors	under plasma interaction
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	Daniel F. Valcárcel, Antonio Barbalace, André Neto, André S. Duarte, Diogo Alves, Bernardo B. Carvalho, Pedro J. Carvalho, Jorge Sousa, Horácio Fernandes, Bruno Gonçalves, Filippo Sartori, Gabriele Manduchi	EPICS as a MARTE Configuration Environment
International Conference on Plasma Diagnostics	April 12-16, 2010	Pont-à-Mousson, France,	H. Fernandes, P. J. Carvalho, P. Duarte, T. Pereira, R. Coelho, C. Silva	ISTTOK plasma control with the tomography diagnostic
1ª Conferência de Física da Comunidade de Países de Língua Portuguesa	12-16 Setembro de 2010	MAPUTO, MOÇAMBIQUE	H.Fernandes, S. Leal, J. Viana, R. B. Henriques	20 Anos de actividade do tokamak ISTTOK
26th Symposium On Fusion Technology	27th of September to 1st October 2010	Porto, Portugal	H. Fernandes, F. Gömöry, A. della Corte, G. Celentano, J. Šouc, C. Silva, I. Carvalho, R. Gomes, A. Di Zenobio, G. Messina	TOROIDAL HIGH TEMPERATURE SUPERCONDUCTING COILS FOR ISTTOK
1st IPFN Workshop	November 12, 2010	Lisbon, Portugal	Miguel Correia, Jorge Sousa, António P. Rodrigues, António J.N.	xTCA-compliant PCIe hub/controller for Physics CODAC subsystems

B. Publications and contributions in conferences and workshops

			Batista, Bruno Gonçalves, Carlos A.F. Varandas, Carlos M.B.A. Correia	
17th NPSS Real-Time Conference RT 2010	May 24 - 28, 2010	Lisbon, Portugal	Miguel Correia, Jorge Sousa, António P. Rodrigues, António J. N. Batista, Bruno Gonçalves, Carlos A. F. Varandas and Carlos M. B. A. Correia	ATCA/xTCA-based hardware for Control and Data Acquisition on Nuclear Fusion fast control plant systems
26th Symposium in Fusion Technology SOFT 2010	September 27 - October 1, 2010	Porto, Portugal	Miguel Correia, Jorge Sousa, António P. Rodrigues, António J.N. Batista, Bruno Gonçalves, Carlos A.F. Varandas, Carlos M.B.A. Correia	xTCA-compliant PCIe hub/controller for Physics CODAC subsystems
26th Symposium in Fusion Technology SOFT 2010	September 27 - October 1, 2010	Porto, Portugal	D. Nunes, J.B. Correia, P.A. Carvalho, N. Shohoji, H. Fernandes, C. Silva, L.C. Alves, K. Hanada, E.Ōsawa	Production of Cu/ Diamond composites for first-wall heat sinks
17th NPSS Real-Time Conference RT 2010	24-28 May 2010	Lisbon, Portugal	A.S. Duarte, P.R. Carvalho, B.Santos, B.B. Carvalho, T. Pereira, J. Fortunato, J. Sousa, H. Fernandes	Integration of EPICS Subsystem Control on FireSignal
26th Symposium in Fusion	September 27 - October 1, 2010	Porto, Portugal	B. Santos, R. Castro, J.H.	OpenMeetings as a Browser-Based

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Santos, D. Gomes,
H. Fernandes, J.
Sousa, C.A.F.
Varandas

Teleconferencing
Tool for EFDA
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