

Fusion Science and Technology

CONTENTS / OCTOBER 2010—VOL. 58, NO. 2

TECHNICAL PAPERS

- 603** Assessment of Collateral Effects of Thermo-Oxidation on DIII-D In-Vessel Components in Preparation for In Situ Oxidation in DIII-D / *B. W. N. Fitzpatrick, J. W. Davis, A. A. Haasz, A. G. McLean, P. C. Stangeby, S. L. Allen, R. Ellis, W. P. West*
- 613** On the Minimum Size of DEMO / *Hartmut Zohm*
- 625** Study of JET Soft Housekeeping Waste Treatment by Plasma Arc Centrifuge Combustion and Gasification in Countercurrent Regime / *L. A. Bernstein, A. N. Perevezentsev, L. A. Rivkis, A. A. Semenov, B. V. Safronov, A. P. Chukanov, E. V. Polianczyk, G. B. Manelis, S. V. Glazov, I. A. Revelsky, E. S. Brodsky, E. N. Kapinus*
- 658** Feed Forward Polarization Control During ECRH Discharges at ASDEX Upgrade / *Dietmar Wagner, Dominik Schmid-Lorch, Jörg Stober, Hendrik Höhnle, Fritz Leuterer, Emanuele Poli, Francesco Monaco, Max Münich, Harald Schütz, ASDEX Upgrade Team*

Selected Papers from SIXTH FUSION DATA VALIDATION WORKSHOP 2010 (Part 1)

- 666** Application of Event-Based Sampling Strategies for Fusion Research / *J. Sánchez, S. Dormido-Canto, J. Vega, N. Duro, R. Dormido, S. Dormido*
- 675** Integrated Data Analysis of Profile Diagnostics at ASDEX Upgrade / *R. Fischer, C. J. Fuchs, B. Kurzan, W. Suttrop, E. Wolfrum, ASDEX Upgrade Team*
- 685** On the Importance of Considering Measurement Errors in Fuzzy Logic Systems for Scientific Applications with Examples from Nuclear Fusion / *Andrea Murari, Guido Vagliasi, Eleonora Arena, Paolo Arena, Luigi Fortuna, JET-EFDA Contributors*
- 695** Neural Computing Methods to Determine the Relevance of Memory Effects in Nuclear Fusion / *Andrea Murari, Guido Vagliasi, Sebastiano De Fiore, Eleonora Arena, Paolo Arena, Luigi Fortuna, Y. Andrew, M. Johnson, JET-EFDA Contributors*
- 706** Classification of Plasma Signals by Genetic Algorithms / *M. Santos, A. J. Cantos*