



UNIVERSITATEA "DUNĂREA DE JOS" DIN GALAȚI FACULTATEA DE MECANICĂ

Str. Domnească nr. 111,
800201 - Galați, România

Tel./Fax: +40 236 314463
www.mec.ugal.ro

2005 - 2010

Papers published in international journals (IDB)

Indexed in the following international databases: *Scientific Thomson, SCOPUS, EBSCO, Cambridge Scientific Abstracts (CSA), International Institute of Welding (IIW)*

2009

1. Iordachescu M., Iordachescu D., Ocaña J.L., Vilaça P., Scutelnicu E., *Contribution to the Classification of the Characteristic Flaws in Friction Stir Welded Aluminium Butt Joints*, Welding in the World, Vol 53 Sp. Is., 2009, pp. 259-264, Editura Elsevier, ISSN 0043-2288
2. Iordachescu D., Iordachescu M., Blasco M., Scutelnicu E., Ocaña J. L., *Temperature influence on black & white joints characteristics*, Document tehnic IIW Doc. IV-976-09, XII-1966-09, 212-1142-09, International Institute of Welding, pp. 1-13

2008

1. Scutelnicu E., Iordachescu M., Iordachescu D., *Structural modifications in the heterogeneous welded joints*, Welding in the World, Vol 52, SPI, ISSN 0043-2288, Editura Elsevier, pp. 185-189,
2. Iordachescu, M., Ruiz Hervías, J., Iordachescu, D., Scutelnicu, E., Porro, J.A., *Residual stress analysis of friction stir processed AA6061*, Welding in the World, Vol 52, SPS, ISSN 0043-2288, Editura Elsevier, pp. 753-757,
3. Iordachescu M., Iordachescu D., Ruiz Hervías J., Scutelnicu E., Porro J.A., *Residual stress analysis of friction stir processed AA6061*, Technical document IIW (International Institute of Welding) nr. III-1502-08, 7 pp.
4. Visan D., Constantin E. and Birsan D., *The Electromagnetic Agitation of the Electro-Slag Welding Pool. The Components of the Electro-Thermo-Magnetic Field*, Welding in the World, Volume 52, Special Issue – 2008, ISSN 0043-2288, pp. 783-787
5. Mircea O., Banea M.D. and Visan D., *Thermal Fields and Residual Stresses in Numerically Modelled and Experimentally Determined Welded Joints*, Welding in the World, Volume 52, Special Issue – 2008, ISSN 0043-2288, pp. 579-584
6. Birsan D., Constantin E. and Visan D., *3d Thermal Fields Distributions And Stresses Analysis From T - Welded Joint*, Welding in the World, Volume 52, Special Issue – 2008, ISSN 0043-2288, pg. 715-719.

2007

1. Scutelnicu, E., Iordachescu, M., Iordachescu, D., *Spot Fusion Welding Simulation*, Welding in the World, 2007, vol. 51, no. SPI, Editura Elsevier, ISSN 0043-2288, pp. 701-710.
2. Iordachescu, M., Iordachescu, D., Scutelnicu, E., Vilaça, P., Birsan, D., Ocaña, J.L., *Aluminium Friction Stir Processing – Roughness vs. Macro/Microscopically Results*, Welding in the World, 2007, vol. 51, no. SPI, Editura Elsevier, ISSN 0043-2288, pp. 441-448.
3. Iordachescu, D., Georgescu, B., Iordachescu, M., Scutelnicu, E., Blasco, M., *MAGNETARC Welding -*

Equipment Peculiarities and Joint Characteristics, Welding in the World, 2007, vol. 51, no. SPI, Editura Elsevier, ISSN 0043-2288, pp. 367-376.

4. Mihăilescu, D., Mihăilescu, A., Constantin, E., *Hardness Modifications at Hyperbaric 4G-position dry Welding*, Welding in the World 51 (SPEC. ISS.), 2007, ISSN 0043-2288, pp. 725-732.
5. Mihailescu D., Mihailescu A., Constantin E. *Hardness modifications at hyperbaric 4g-position dry welding*. The official publication of the International Institute of Welding (IIW) "Welding in the World", vol. 51 / 2007, Special issue, ISSN 0043-2288, pp. 725-732.
6. Visan D., Constantin E., Birsan D., Mircea O. *The numerical modelling by the method of the finite differences of the electro-slag welding process in electromagnetic field*. The official publication of the International Institute of Welding (IIW) "Welding in the World", vol. 51 / 2007, Special issue, ISSN 0043-2288, pp. 647-656.
7. Mircea O., Banea D.M., Constantin E., Visan D. *A numerical/experimental study of temperature fields in the X52 steel butt welds*. The official publication of the International Institute of Welding (IIW) "Welding in the World", vol. 51 / 2007, Special issue, ISSN 0043-2288, pp. 385-394.
8. Mistodie L. R., Constantin E., Rusu C. C., Constantin V. *Influence of the drop dynamics transferred through the electric arc on the GMAW-P stability*. The official publication of the International Institute of Welding (IIW) "Welding in the World", vol. 51 / 2007, Special issue, ISSN 0043-2288, pp. 685-692.
9. Georgescu B., Iordachescu M., Georgescu V. *FEM model of welding on cogged surfaces - theoretical and experimental results*. The official publication of the International Institute of Welding (IIW) "Welding in the World", vol. 51 / 2007, Special issue, ISSN 0043-2288, pp. 711-718.
10. Birsan, D., Visan, D., Iordachescu, M., *3D Thermo-Mechanical Model of Fusion Welding*, Welding in the World, 2007, vol. 51, no. SPI, Editura Elsevier, ISSN 0043-2288, pp. 657-666.

2005

1. Scutelnicu E., Constantin E., Iordachescu M., *Heat transfer simulation in carbon steel – copper welded joints*, Welding in the World (Soudage dans le Monde), Ed. ELSEVIER, France, vol. 49, special issue – 2005, pp. 361-367, ISSN 0043-2288
2. Iordachescu, M., Georgescu, B., Iordachescu, D., *FEM and Experimental Approaches of the Processes in the Mechanical Affected Zone at Butt Cold Welding*, International Journal for the Joining of Materials - JOM, Vol. 17, Nr. 3, Sept. 2005, Sweden, pp. 83 – 89, ISSN 0905 – 6866
3. Georgescu B., Iordachescu M., Georgescu V., *Characteristics of the cold welded joints on cogged surfaces*, Welding in the World (Soudage dans le Monde), Ed. ELSEVIER, France, vol. 49, special issue – 2005, pp. 435-442, ISSN 0043-2288