

LISTA LUCRĂRILOR

1. D. Dehelean, O. Oancă, Cr. Toma, **Cl. DOROHOI**, V. Budau, C.M. Craciunescu - Advanced Materials Welding using a Hybrid Ultrasonic-Electric Resistance Technique, Journal of Optics and Advanced Materials JOAM 2010, ISS 9, vol. 9, pp. 238 – 244, ISSN – 145-4164, (revistă ISI).
2. I.MITELEA, **Cl. DOROHOI**, C.M. CRACIUNESCU - Microstructure of Cu-Zn-Al shape memory alloys joined by electrical stored – energy welding., PTM 2010, Solid-State Phenomens Vols.172 -174 (2011), pp. 208 – 214, Switzerland (revistă ISI).
3. **Cl. DOROHOI**, Ion Mitelea, Corneliu M. Crăciunescu - Research on the quality of Cu-Zn-Al shape memory alloys joined by electric resistance point – welding, ModTech International Conference - New face of TMCR Modern Technologies, Quality and Innovation - New face of TMCR 25-27 May 2011, Vadul lui Voda-Chisinau, Republic of Moldova, pp. 353 – 356 (**ISIPproceedings**).
4. Ion Mitelea, **Cl. DOROHOI** – Factors influencing the welding current in the shape memory FeMnSi alloys welding, using the capacitors stored energy welding machines – Sudura 4 – 2011, ISSN 1453 – 0384, pp. 15 – 23 (revistă **BDI**).
5. M. POPESCU, C. MARTA, I. MITELEA, A. MAGDA, **Cl. DOROHOI** - General Problem When Joining Shape Memory Alloys ANNALS of the ORADEA UNIVERSITY. Fascicle of Management and Technological Engineering, Volume VIII (XVIII), 2009, pp. 1357 – 1363, ISSN: 1583 – 0691, (revistă **B +**).
6. I.MITELEA, D.LEUȘTEANU, R.ROȘU, **Cl. DOROHOI** - The Characteristics of the Manganese Austenitic Steel Layers Deposited through Self – Shielded Flux – Cored Arc Welding SCIENTIFIC BULLETIN OF THE „POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA ISSN 1224 – 6077; Fasc.1, 2008, pp. 76 – 85.

7. I.MITELEA, D.LEUŞTEANU, R.ROŞU, **Cl. DOROHOI** - Layer – Substratum Interaction On Surface Coatings With Functional Layers SCIENTIFIC BULLETIN OF THE „POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA ISSN 1224 – 6077; Fasc.1, 2008, pp. 68 – 75.

8. **Cl. DOROHOI**, I.MITELEA, C.M. CRACIUNESCU - The process of loading and unloading capacitors stored energy welding on Fe-Mn-Si shape memory alloys, SCIENTIFIC BULLETIN OF THE „POLITEHNICA” UNIVERSITY OF TIMISOARA, ROMANIA ISSN 1224 – 6077; Fasc.S1, 2009, pp. 19 - 24.

9. **Dorohoi Cl.**, Mitelea I., Crăciunescu C.M., - Process parameters on the point resistance welding Fe-Mn-Si alloys with shape memory effect – Scientific Bulletin Of The „Politehnica” University Of Timisoara, Romania ISSN 1224 – 6077; Vol 55 (69) Special ISSUE S1, 2010, pp. 39 - 44.

10. **Claudia – Mariana DOROHOI**, Ion Mitelea - Calculation algorithm stress and deformation to the points pressure welding alloys CuZnAl shape memory effect - Scientific Bulletin Of The „Politehnica” University Of Timisoara, Romania – acceptată pentru publicare.

11. **Claudia – Mariana DOROHOI**, Ion Mitelea - The modeling welding pressure in points process of the alloys FeMnSi with shape memory effect - Scientific Bulletin Of The „Politehnica” University Of Timisoara, Romania – acceptată pentru publicare.