

## **Komisja XII – Elektryczne spawanie łukowe w osłonie gazów i pod topnikiem**

- XII-1983-10 Surrogate modelling and approaches towards self-optimisation for complex GMAW processes - U. Reisgen et al (Germany)
- XII-1984-10 Numerical and experimental studies of the influence of process gases in TIG welding – J. Zahr et al (Germany)
- XII-1985-10 Cathode focussed TIG – fundamentals and applications – M. Schnick et al (Germany)
- XII-1986-10 Development of submerged arc welding method in a vertical-up position – R. Sakamoto et al (Japan)
- XII-1987-10 Development of submerged arc welding in vertical up position - a study on welding consumables for 9%Ni steel – M. Mizumoto, H. Nagasaki (Japan)
- XII-1989-10 Applications of innovative variants in MIG/MAG welding – N. Pepe et al (Portugal)
- XII-1990-10 Observation of weld pool profiles in short-circuiting gas metal arc welding - C.S. Wu, J.Q. Gao, D.M. Wang (China)
- XII-1991-10 Gap tolerant laser GMA Hybrid welding process for thin sheet materials - C Thomy, T. Seefeld, F. Vollertsen (Germany)
- XII-1992-10 Selecting optimized gas mixes to increase first the welding performances (MIG &TIG) of the light material - J.M. Fortain (France)
- XII-1993-10 Spatter and fume reduction in CO<sub>2</sub> gas shielded arc welding by regulated globular transfer – K. Yamazaki et al (Japan)
- XII-1994-10 Melting phenomenon of hot-wire GTA and hot-wire laser welding process – K.Shinozaki et al (Japan)
- XII-1995-10 Visualization and digitization of welder's skill for education and training – S. Asai, T. Ogawa, H. Takebayashi (Japan)
- XII-1998-10 Heat transfer to the wire electrode in AC-MIG welding – G. Huismann (Germany)
- XII-1999-10 Computational fluid dynamics analysis of shielding gas behavior in tungsten inert gas welding of titanium plate – Y. Wada et al (Japan)
- XII-2000-10 Experimental study of erosion of hafnium electrodes for oxygen plasma arc cutting – Y. Yamaguchi et al (Japan)
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- XII-2002-10 Development of welding monitoring system for in-process quality control of thick walled pipe - Y. Fujita et al (Japan)
- XII-2003-10 Operation and visualisation of the laser hybrid twin welding process – H. Stauffer, G. Reinthaler, H. Ennsbrunner (Austria)
- XII-2004-10 An approach to adaptive control of GMAW based on laser profile measurement – D. Bračun, I. Polajnar, A. Sluga (Slovenija)
- XII-2005-10 Monitoring and control of arc and weld pool by power source characteristic and torch weaving in V groove gap welding – K. Oshima et al (Japan)
- XII-2006-10 Characterization of cold lap defects in tandem arc MAG welding – P. Li (Sweden)