

## DOKUMENTY MIĘDZYNARODOWEGO INSTYTUTU SPAWALNICTWA - 2009

### Komisja IV - Spawanie wiązką skoncentrowanej energii

- IV-974-09 Laser-MIG hybrid welding of aluminium to steel – an analytical model for wetting length – F. Vollertsen, C. Thomy (Germany)
- IV-975-09 Electron beam welding – process, applications and equipment – G. Schubert (USA)
- IV-976-09 Temperature influence on black & white joints characteristics – D. Iordachescu et al (Spain), E. Scutelnicu (Romania)
- IV-977-09 Electron beam welding of steel sheets treated by nitrooxidation – M. Maronek, J. Bartu, M. Domankova et al (Slovakia)
- IV-978-09 Laser welding of dissimilar aluminium alloys with filler materials – L.A. Pinto, L. Quintino et al (Portugal), P. Carr (UK)
- IV-985-09 Improvement of fiction energy loss of machinery parts by indirect laser peening – M. Kutsuna, H. Inoue et al (Japan)
- IV-988-09 An integrated model to simulate laser cladding manufacturing process for engine repair applications – Y.P. Yang, S.S. Babu (USA)
- IV-989-09 GTA weld penetration improvement by laser activation process with oxygen – M. Mizutani, S. Katayama (Japan)
- IV-990-09 Elucidation of phenomena in high power fiber laser welding and development of prevention procedures of welding defects – S. Katayama, Y. Kawahito (Japan)
- IV-991-09 Development of laser direct joining of metal and plastic (LAMP joining) and evolution to bonding of dissimilar materials – S. Katayama, Y. Kawahito, Y. Niwa (Japan)
- IV-992-09 Electron beam weldability of nodular graphite cast iron – M. Okubo, H. Mitomi, T. Hasegawa (Japan)
- IV-999-09 Material transfer in MIG welding with CO<sub>2</sub>/argon shielding gases – G. Huisman (Germany)
- IV-1000-09 Influence of tolerances to weld formation and quality of laser-GMA-hybrid girth welded pipe joints - J. Neubert, S. Keitel (Germany)
- IV-1001-09 Advanced welding analysis methods applied to heavy section welding with a 15kW fibre laser – A.F.H. Kaplan, G. Wiklund (Sweden)