

# INDEX OF VOLUME 52

## Part 1 – Subject index

A comparison of friction stir processing of mill annealed and investment cast Ti-6Al-4V – Pilchak A.L., Juhas M.C., Williams J.C. (United States) – IIW-1888-08 (ex-doc. III-1435r1-07) – (No. 9/10, September/October – Research Supplement).

Analysis of different laser welding processes for joining hardmetals to steel – Miranda R.M., Quintino L., Costa A., Pina J.C.P., Rosa T., Catarino P., Rodrigues J.P. (Portugal) – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).

Application of laser welding to stainless steel light rail vehicle – Cerrone C., Chiti F., Sacchi M., Fersini M., Pietrosanti C. (Italy) – IIW-1895-08 (ex-doc. IV-916r1-06) – (No. 7/8, July/August).

Computer – aided determination of diffusible hydrogen in deposited weld metal – Karkhin V.A., Levchenko A.M. (Russia) – IIW-1889-08 (ex-doc. II-1634r1-07/II-A-182r1-07) – (No. 3/4, March/April).

Cost minimization of a ring-stiffened conical shell loaded by external pressure – Farkas J., Jarmai K., Orban F. (Hungary) – IIW-1842-07 (ex-doc. XV-1248r1-07) – (No. 5/6, May/June – Research Supplement).

Cracking and local melting in Mg-alloy and Al-alloy during friction stir spot welding – Yamamoto M., Shinozaki K. (Japan), Gerlich A., North T.H. (Canada) – IIW-1867-07 (ex-doc. III-1429r1-07) – (No. 9/10, September/October – Research Supplement).

Crystal growth in laser surface melting and cladding of Ni-base single crystal superalloy – Nishimoto K., Saida K., Fujita Y. (Japan) – IIW-1846-07 (ex-doc. IX-2243r1-07/IX-H-656r1-07) – (No. 5/6, May/June – Research Supplement).

Development of a compressive residual stress field around a weld toe by means of phase transformations – Martinez Díez F. (United States) – IIW-1891-08 (ex-doc. IX-2231r1-07) - 2007 Henry Granjon Prize, Category B – (No. 7/8, July/August – Research Supplement).

Development of a system for resistance welding of multiple dissimilar joints in a motor protection switch – Maček J., Batista E., Polajnar I., Diaci J. (Slovenia) – IIW-1874-07 (ex-doc. III-1445r1-07) – (No. 3/4, March/April – Research Supplement).

Development of in-situ microstructure observation techniques in welding – Komizo Y., Terasaki H., Yonemura M., Osuki T. (Japan) – IIW-1853-07 (ex-doc. IX-2238r1-07/IX-L-1007r1-07) – (No. 5/6, May/June – Research Supplement).

Developments in NDT for detecting imperfections in friction stir welds in aluminium alloys – Santos T., Vilaça P., Quintino L. (Portugal) – IIW-1866-07 (ex-doc. III-1426r1-07) – (No. 9/10, September/October – Research Supplement).

Disbonding of austenitic stainless steel cladding following high temperature hydrogen service – Gittos M.F. (United Kingdom) – IIW-1844-07 (ex-doc. IX-2234r1-07) – (No. 3/4, March/April – Research Supplement).

Effect of correction by heating/pressing on mechanical behaviour of steel structural members – Hirohata M., Kim Y.-C. (Japan) – IIW-1892-07 (ex-doc. XV-1252r1-07) – (No. 11/12, November/December – Research Supplement).

Effect of post-weld straining on temper-rolled austenitic stainless steel welds – Engström H., Westin E.M. (Sweden) – IIW-1847-07 (ex-doc. IX-2232r1-07) – (No. 1/2, January/February – Research Supplement).

Effect of various factors on toughness in P92 SAW weld metal – Choivet C., Galand E., Leduey B. (France) – IIW-1909-08 (ex-doc. II-1646r1-07/II-C-341r1-07) – (No. 7/8, July/August).

Effect of weld quality and postweld improvement techniques on the fatigue resistance of extra high strength steels – Lieurade H.P., Huther I., Lefebvre F. (France) – IIW-1863-07 (ex-doc. XIII-2184r1-07) – (No. 7/8, July/August – Research Supplement).

Effect of welding cycle on the fatigue behaviour of resistance spot welded Dual Phase steels – Rossillon F., Galtier A., Robert J.L., Duchet M., Lens A. (France), Oikawa H. (Japan) – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).

Effects of preheating and interpass temperature on stresses in S 1100 QL multi-pass butt-welds – Wongpanya P., Boellinghaus Th., Kannengiesser Th. (Germany), Lothongkum G. (Thailand) – IIW-1851-07 (ex-doc. IX-2240r1-07) – (No. 3/4, March/April – Research Supplement).

Effects of welding conditions on microstructural transformations and mechanical properties in AE42-HP friction welded joints – Pinheiro G.A., Pankiewicz C.G., Hort N., dos Santos J.F., Kainer K.U. (Germany) – IIW-1915-08 (ex-doc. III-1436r1-07) – (No. 11/12, November/December – Research Supplement).

Estimating contour laser transmission welding start-up conditions using a novel non-contact method – Chen M., Zak G., Bates P.J. (Canada) – IIW-1912-08 (ex-doc. XVI-868r1-07) – (No. 11/12, November/December – Research Supplement).

Evaluation of hot cracking susceptibility of some austenitic stainless steels and a nickel-base alloy – Srinivasan G., Bhaduri A.K., Shankar V., Raj B. (India) – IIW-1907-08 (ex-doc. II-1644r1-07/II-C-345r1-07) – (No. 7/8, July/August).

Evolution of Cr-Mo-V weld metal microstructure during creep testing – Part 1: P91 material – Mandziej S.T. (The Netherlands), Výrostková A. (Slovak Republic) –

IIW-1822-07 (ex-doc. II-1601-06) – (No. 1/2, January/February).

Fatigue assessment and LEFM analysis of cruciform joints fabricated with different welding processes – Barsoum Z., Jonsson B. (Sweden) – IIW-1862-07 (ex-doc. XIII-2175r1-07) – (No. 7/8, July/August – Research Supplement).

Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – Sonsino M., Hanselka H., Vogt M., Dilger K. (Germany), Karakas Ö., Gülsöz A. (Turkey) – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).

Fatigue improvement of weld repaired crane runway girder by ultrasonic impact treatment – Tominaga T., Matsuoka K., Sato Y., Suzuki T. (Japan) – IIW-1860-07 (ex-doc. XIII-2170r1-07) – (No. 11/12, November/December – Research Supplement).

Friction stir welding of aluminium high pressure die castings: parameter optimisation and gap bridgeability – Van Haver W., Stassart X., de Meester B., Dhooge A. (Belgium) – IIW-1865-07 (ex-doc. III-1424r1-07) – (No. 9/10, September/October – Research Supplement).

Humping effect in welding of steel with single-mode fibre laser – Thomy C., Seefeld T., Vollertsen F. (Germany) – IIW-1900-08 (ex-doc. IV-938-07) – (No. 5/6, May/June).

Improvement of fatigue strength of spot welds using the StressWave™ technique – Duchet M., Rossillon F., Galtier A. (France), Landy M., Easterbrook E. (United States) – IIW-1864-07 (ex-doc. XIII-2137r1-06) – (No. 1/2, January/February).

Influence of parent metal strength on the fatigue strength of parent material with machined and thermally cut edges – Sperle J-O. (Sweden) – IIW-1861-07 (ex-doc. XIII-2174r1-07) – (No. 7/8, July/August – Research Supplement).

Influence of reduced cooling time on the properties of resistance spot welds – Tolf E., Hedegård J. (Sweden) – IIW-1875-07 (ex-doc. III-1447r1-07) – (No. 3/4, March/April – Research Supplement).

International Education, Qualification and Certification Systems in Welding – Quintino L., Ferraz R., Fernandes I. (Portugal) – (No. 1/2, January/February).

Mechanical properties of friction stir welded carbon steel joints – Friction stir welding with and without transformation – Fujii H., Cui L., Nakata K., Nogi K. (Japan) – IIW-1910-08 (ex-doc. III-1453r1-07) – (No. 9/10, September/October – Research Supplement).

Mechanical-technological and fracture mechanical properties of the high grade pipeline-steel X80 with results of different pipeline-projects – Felber S. (Austria) – IIW-1894-08 (ex-doc. XI-881-07) – (No. 5/6, May/June).

Metal vapour behaviour in gas tungsten arc thermal plasma during welding – Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K. (Japan), Murphy A.B., Lowke J.J. (Australia) –

IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Microstructural development during laser cladding of low-C martensitic stainless steel – van Rooyen C. (South Africa) – IIW-1852-07 (ex-doc. IX-2252-07/IX-H-657-07) – (No. 3/4, March/April).

Monitoring of the friction stir welding process to describe parameter effects on joint quality – Jene T., Dobmann G., Wagner G., Eifler D. (Germany) – IIW-1868-07 (ex-doc. III-1430r1-07) – (No. 9/10, September/October – Research Supplement).

Notes on power efficiency in welding – Select Committee “Environment” – IIW-1840-07 (ex-doc. SC-ENV-62r2-06) – (No. 1/2, January/February).

Numerical welding simulation of an aluminium automotive component – Siegele D., Brand M., Veneziano C. (Germany) – IIW-1818-07 (ex-doc. X-1599-06) – (No. 1/2, January/February).

On the influence of hot straining of austenite in solid-state welding of high carbon steel – Maalekian M., Kozeschnik E., Brantner H.P., Cerjak H. (Austria) – IIW-1849-07 (ex-doc. IX-2235r1-07) – (No. 1/2, January/February – Research Supplement).

Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – den Uijl N.J., Smith S., van der Veldt T. (Netherlands), Nishibata H., Okada T., Uchihara M., Fukui K. (Japan) – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).

Recent developments in the friction stir welding of titanium alloys – Russell M.J., Blignault C., Horrex N.L., Wiesner C.S. (United Kingdom) – IIW-1903-08 (ex-doc. III-1428r1-07) – (No. 9/10, September/October).

Reduction of hot cracking in laser welding using hyper-eutectic AlSi filler wire – Vollertsen F., Buschenhenke F., Seefeld T. (Germany) – IIW-1899-08 (ex-doc. IV-936-07) – (No. 5/6, May/June).

Reheat cracking susceptibility and toughness of 2%CrMoWVNb P23 steel welds – Nevasmaa P., Salonen J. (Finland) – IIW-1850-07 (ex-doc. IX-2237r1-07) – (No. 3/4, March/April – Research Supplement).

Share of spot welding and other joining methods in automotive production – Janota M. (Slovakia), Neumann H. (Czech Republic) – IIW-1856-07 (ex-doc. III-1423r1-07) – (No. 3/4, March/April).

Simulation of quasi-simultaneous and simultaneous laser welding – Wilke L., Potente H., Schnieders J. (Germany) – IIW-1815-07 (ex-doc. XVI-857-06) – (No. 1/2, January/February).

Study of properties of layers deposited with laser by use of powder fillers containing diborides – Kovaříková I., Blaškovič P., Kolenič F., Fodrek P., Blazicek P. (Slovak Republic) – IIW-1911-08 (ex-doc. IV-948r1-07) – (No. 7/8, July/August).

Study on improvement of fatigue strength of welded structures by new functional structural steel plates – Konda N., Nishio M., Onishi K., Arimochi K., Yasuda O.,

Nagaki H., Yamano T., Morishita H., Takaba S. (Japan) – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).

Suitable corrosion test methods for stainless steel welds – Holmberg B., Bergquist A. (Sweden) – IIW-1880-07 (ex-doc. IX-2230r1-07/IX-H-660-07) – (No. 3/4, March/April).

The fatigue behaviour of friction stir welded aluminium joints – Gutensohn M., Wagner G., Walther F., Eifler D. (Germany) – IIW-1878-07 (ex-doc. III-1437r1-07) – (No. 9/10, September/October – Research Supplement).

The influence of interstitial diffusion across the fusion line on the HAZ microstructure and properties in 12 % chromium type 1.4003 steels – Meyer A.M., Du Toit M. (South Africa) – IIW-1901-08 (ex-doc. IX-2233r1-07) – (No. 11/12, November/December – Research Supplement).

The need for a weld quality system for fatigue loaded structures – Björk T., Marquis G. (Finland), Samuelsson J. (Sweden) – IIW-1821-07 (ex-doc. XIII-2103r1-06) – (No. 1/2, January/February).

Towards multidimensionality and flexibility in FSW using an industrial robot system – Soron M. (Sweden) – IIW-1870-07 (ex-doc. III-1432r1-07) – (No. 9/10, September/October – Research Supplement).

Vibration welding quality control using piezoelectric shear stress transducers – Bates P.J., Aghamirian M., Kontopoulou M., Prabhakaran R., Baylis B. (Canada) – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).

Welding of the high grade pipeline-steel X80 and description of different pipeline-projects – Felber S. (Austria) – IIW-1893-08 (ex-doc. XI-880-07) – (No. 5/6, May/June).

Zinc transport phenomena in laser welding of coated sheet steel in overlap configuration – Pieters R.R.G.M., Goos C., Rietman B., Richardson I.M. (Netherlands) – IIW-1896-08 (ex-doc. IV-917-06) – (No. 7/8, July/August).

control using piezoelectric shear stress transducers – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).

## Part 2 – Author index

Aghamirian M., Kontopoulou M., Prabhakaran R., Baylis B., Bates P.J. (Canada) – Vibration welding quality control using piezoelectric shear stress transducers – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).

Arimochi K., Yasuda O., Nagaki H., Yamano T., Morishita H., Takaba S., Konda N., Nishio M., Onishi K. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).

Barsoum Z., Jonsson B. (Sweden) – Fatigue assessment and LEFM analysis of cruciform joints fabricated with different welding processes – IIW-1862-07 (ex-doc. XIII-2175r1-07) – (No. 7/8, July/August – Research Supplement).

Bates P.J., Chen M., Zak G. (Canada) – Estimating contour laser transmission welding start-up conditions using a novel non-contact method – IIW-1912-08 (ex-doc. XVI-868r1-07) – (No. 11/12, November/December – Research Supplement).

Bates P.J., Aghamirian M., Kontopoulou M., Prabhakaran R., Baylis B. (Canada) – Vibration welding quality control using piezoelectric shear stress transducers – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).

Batista E., Polajnar I., Diaci J., Maček J. (Slovenia) – Development of a system for resistance welding of multiple dissimilar joints in a motor protection switch – IIW-1874-07 (ex-doc. III-1445r1-07) – (No. 3/4, March/April – Research Supplement).

Baylis B., Bates P.J., Aghamirian M., Kontopoulou M., Prabhakaran R. (Canada) – Vibration welding quality

Bergquist A., Holmberg B. (Sweden) – Suitable corrosion test methods for stainless steel welds – IIW-1880-07 (ex-doc. IX-2230r1-07/IX-H-660-07) – (No. 3/4, March/April).

Bhaduri A.K., Shankar V., Raj B., Srinivasan G. (India) – Evaluation of hot cracking susceptibility of some austenitic stainless steels and a nickel-base alloy – IIW-1907-08 (ex-doc. II-1644r1-07/II-C-345r1-07) – (No. 7/8, July/August).

Björk T., Marquis G. (Finland), Samuelsson J. (Sweden) – The need for a weld quality system for fatigue loaded structures – IIW-1821-07 (ex-doc. XIII-2103r1-06) – (No. 1/2, January/February).

Blaškovitš P., Kolenič F., Fodrek P., Blazicek P., Kovaříková I. (Slovak Republic) – Study of properties of layers deposited with laser by use of powder fillers containing diborides – IIW-1911-08 (ex-doc. IV-948r1-07) – (No. 7/8, July/August).

Blazicek P., Kovaříková I., Blaškovitš P., Kolenič F., Fodrek P. (Slovak Republic) – Study of properties of layers deposited with laser by use of powder fillers containing diborides – IIW-1911-08 (ex-doc. IV-948r1-07) – (No. 7/8, July/August).

Balignault C., Horrex N.L., Wiesner C.S., Russell M.J. (United Kingdom) – Recent developments in the friction stir welding of titanium alloys – IIW-1903-08 (ex-doc. III-1428r1-07) – (No. 9/10, September/October).

Boellinghaus Th., Kannengiesser Th., Wongpanya P. (Germany), Lothongkum G. (Thailand) – Effects of preheating and interpass temperature on stresses in

control using piezoelectric shear stress transducers – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).

- S 1100 QL multi-pass butt-welds – IIW-1851-07 (ex-doc. IX-2240r1-07) – (No. 3/4, March/April – Research Supplement).
- Brand M., Veneziano C., Siegele D. (Germany) – Numerical welding simulation of an aluminium automotive component – IIW-1818-07 (ex-doc. X-1599-06) – (No. 1/2, January/February).
- Brantner H.P., Cerjak H., Maalekian M., Kozeschnik E. (Austria) – On the influence of hot straining of austenite in solid-state welding of high carbon steel – IIW-1849-07 (ex-doc. IX-2235r1-07) – (No. 1/2, January/February – Research Supplement).
- Buschenhenke F., Seefeld T., Vollertsen F. (Germany) – Reduction of hot cracking in laser welding using hyper-eutectic AlSi filler wire – IIW-1899-08 (ex-doc. IV-936-07) – (No. 5/6, May/June).
- Catarino P., Rodrigues J.P., Miranda R.M., Quintino L., Costa A., Pina J.C.P., Rosa T. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).
- Cerjak H., Maalekian M., Kozeschnik E., Brantner H.P. (Austria) – On the influence of hot straining of austenite in solid-state welding of high carbon steel – IIW-1849-07 (ex-doc. IX-2235r1-07) – (No. 1/2, January/February – Research Supplement).
- Cerrone C., Chiti F., Sacchi M., Fersini M., Pietrosanti C. (Italy) – Application of laser welding to stainless steel light rail vehicle – IIW-1895-08 (ex-doc. IV-916r1-06) – (No. 7/8, July/August).
- Chen M., Zak G., Bates P.J. (Canada) – Estimating contour laser transmission welding start-up conditions using a novel non-contact method – IIW-1912-08 (ex-doc. XVI-868r1-07) – (No. 11/12, November/December – Research Supplement).
- Chiti F., Sacchi M., Fersini M., Pietrosanti C., Cerrone C. (Italy) – Application of laser welding to stainless steel light rail vehicle – IIW-1895-08 (ex-doc. IV-916r1-06) – (No. 7/8, July/August).
- Chovet C., Galand E., Leduey B. (France) – Effect of various factors on toughness in P92 SAW weld metal – IIW-1909-08 (ex-doc. II-1646r1-07/II-C-341r1-07) – (No. 7/8, July/August).
- Costa A., Pina J.C.P., Rosa T., Catarino P., Rodrigues J.P., Miranda R.M., Quintino L. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).
- Cui L., Nakata K., Nogi K., Fujii H. (Japan) – Mechanical properties of friction stir welded carbon steel joints – Friction stir welding with and without transformation – IIW-1910-08 (ex-doc. III-1453r1-07) – (No. 9/10, September/October – Research Supplement).
- de Meester B., Dhooge A., Van Haver W., Stassart X. (Belgium) – Friction stir welding of aluminium high pressure die castings: parameter optimisation and gap bridgeability – IIW-1865-07 (ex-doc. III-1424r1-07) – (No. 9/10, September/October – Research Supplement).
- den Uijl N.J., Smith S., van der Veldt T. (Netherlands), Nishibata H., Okada T., Uchihara M., Fukui K. (Japan) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).
- Dhooge A., Van Haver W., Stassart X., de Meester B. (Belgium) – Friction stir welding of aluminium high pressure die castings: parameter optimisation and gap bridgeability – IIW-1865-07 (ex-doc. III-1424r1-07) – (No. 9/10, September/October – Research Supplement).
- Diaci J., Maček J., Batista E., Polajnar I. (Slovenia) – Development of a system for resistance welding of multiple dissimilar joints in a motor protection switch – IIW-1874-07 (ex-doc. III-1445r1-07) – (No. 3/4, March/April – Research Supplement).
- Dilger K., Sonsino M., Hanselka H., Vogt M. (Germany), Karakas Ö., Gülsöz A. (Turkey) – Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).
- Dobmann G., Wagner G., Eifler D., Jene T. (Germany) – Monitoring of the friction stir welding process to describe parameter effects on joint quality – IIW-1868-07 (ex-doc. III-1430r1-07) – (No. 9/10, September/October – Research Supplement).
- dos Santos J.F., Kainer K.U., Pinheiro G.A., Pankiewicz C.G., Hort N. (Germany) – Effects of welding conditions on microstructural transformations and mechanical properties in AE42-HP friction welded joints – IIW-1915-08 (ex-doc. III-1436r1-07) – (No. 11/12, November/December – Research Supplement).
- Du Toit M., Meyer A.M. (South Africa) – The influence of interstitial diffusion across the fusion line on the HAZ microstructure and properties in 12 % chromium type 1.4003 steels – IIW-1901-08 (ex-doc. IX-2233r1-07) – (No. 11/12, November/December – Research Supplement).
- Duchet M., Lens A., Rossillon F., Galtier A., Robert J.L. (France), Oikawa H. (Japan) – Effect of welding cycle on the fatigue behaviour of resistance spot welded Dual Phase steels – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).
- Duchet M., Rossillon F., Galtier A. (France), Landy M., Easterbrook E. (United States) – Improvement of fatigue strength of spot welds using the StressWave™ technique – IIW-1864-07 (ex-doc. XIII-2137r1-06) – (No. 1/2, January/February).
- Easterbrook E., Landy M. (United States), Duchet M., Rossillon F., Galtier A. (France) – Improvement of fatigue strength of spot welds using the StressWave™ technique – IIW-1864-07 (ex-doc. XIII-2137r1-06) – (No. 1/2, January/February).

- Eifler D., Jene T., Dobmann G., Wagner G. (Germany) – Monitoring of the friction stir welding process to describe parameter effects on joint quality – IIW-1868-07 (ex-doc. III-1430r1-07) – (No. 9/10, September/October – Research Supplement).
- Eifler D., Gutensohn M., Wagner G., Walther F. (Germany) – The fatigue behaviour of friction stir welded aluminium joints – IIW-1878-07 (ex-doc. III-1437r1-07) – (No. 9/10, September/October – Research Supplement).
- Engström H., Westin E.M. (Sweden) – Effect of post-weld straining on temper-rolled austenitic stainless steel welds – IIW-1847-07 (ex-doc. IX-2232r1-07) – (No. 1/2, January/February – Research Supplement).
- Farkas J., Jarmai K., Orban F. (Hungary) – Cost minimization of a ring-stiffened conical shell loaded by external pressure – IIW-1842-07 (ex-doc. XV-1248r1-07) – (No. 5/6, May/June – Research Supplement).
- Felber S. (Austria) – Mechanical-technological and fracture mechanical properties of the high grade pipeline-steel X80 with results of different pipeline-projects – IIW-1894-08 (ex-doc. XI-881-07) – (No. 5/6, May/June).
- Felber S. (Austria) – Welding of the high grade pipeline-steel X80 and description of different pipeline-projects – IIW-1893-08 (ex-doc. XI-880-07) – (No. 5/6, May/June).
- Fernandes I., Quintino L., Ferraz R. (Portugal) – International Education, Qualification and Certification Systems in Welding – (No. 1/2, January/February).
- Ferraz R., Fernandes I., Quintino L. (Portugal) – International Education, Qualification and Certification Systems in Welding – (No. 1/2, January/February).
- Fersini M., Pietrosanti C., Cerrone C., Chiti F., Sacchi M. (Italy) – Application of laser welding to stainless steel light rail vehicle – IIW-1895-08 (ex-doc. IV-916r1-06) – (No. 7/8, July/August).
- Fodrek P., Blazicek P., Kovaříková I., Blaškovitš P., Kolenič F. (Slovak Republic) – Study of properties of layers deposited with laser by use of powder fillers containing diborides – IIW-1911-08 (ex-doc. IV-948r1-07) – (No. 7/8, July/August).
- Fujii H., Cui L., Nakata K., Nogi K. (Japan) – Mechanical properties of friction stir welded carbon steel joints – Friction stir welding with and without transformation – IIW-1910-08 (ex-doc. III-1453r1-07) – (No. 9/10, September/October – Research Supplement).
- Fujita Y., Nishimoto K., Saida K. (Japan) – Crystal growth in laser surface melting and cladding of Ni-base single crystal superalloy – IIW-1846-07 (ex-doc. IX-2243r1-07/IX-H-656r1-07) – (No. 5/6, May/June – Research Supplement).
- Fukui K., Nishibata H., Okada T., Uchihara M. (Japan), den Uijl N.J., Smith S., van der Veldt T. (Netherlands) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).
- Galand E., Leduey B., Chovet C. (France) – Effect of various factors on toughness in P92 SAW weld metal – IIW-1909-08 (ex-doc. II-1646r1-07/II-C-341r1-07) – (No. 7/8, July/August).
- Galtier A., Robert J.L., Duchet M., Lens A., Rossillon F. (France), Oikawa H. (Japan) – Effect of welding cycle on the fatigue behaviour of resistance spot welded Dual Phase steels – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).
- Galtier A., Duchet M., Rossillon F. (France), Landy M., Easterbrook E. (United States) – Improvement of fatigue strength of spot welds using the StressWave™ technique – IIW-1864-07 (ex-doc. XIII-2137r1-06) – (No. 1/2, January/February).
- Gerlich A., North T.H. (Canada), Yamamoto M., Shinozaki K. (Japan) – Cracking and local melting in Mg-alloy and Al-alloy during friction stir spot welding – IIW-1867-07 (ex-doc. III-1429r1-07) – (No. 9/10, September/October – Research Supplement).
- Gittos M.F. (United Kingdom) – Disbonding of austenitic stainless steel cladding following high temperature hydrogen service – IIW-1844-07 (ex-doc. IX-2234r1-07) – (No. 3/4, March/April – Research Supplement).
- Goos C., Rietman B., Richardson I.M., Pieters R.R.G.M. (Netherlands) – Zinc transport phenomena in laser welding of coated sheet steel in overlap configuration – IIW-1896-08 (ex-doc. IV-917-06) – (No. 7/8, July/August).
- Gülsöz A., Karakas Ö. (Turkey), Sonsino M., Hanselka H., Vogt M., Dilger K. (Germany) – Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).
- Gutensohn M., Wagner G., Walther F., Eifler D. (Germany) – The fatigue behaviour of friction stir welded aluminium joints – IIW-1878-07 (ex-doc. III-1437r1-07) – (No. 9/10, September/October – Research Supplement).
- Hanselka H., Vogt M., Dilger K., Sonsino M. (Germany), Karakas Ö., Gülsöz A. (Turkey) – Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).
- Hedegård J., Tolf E. (Sweden) – Influence of reduced cooling time on the properties of resistance spot welds – IIW-1875-07 (ex-doc. III-1447r1-07) – (No. 3/4, March/April – Research Supplement).
- Hirohata M., Kim Y.-C. (Japan) – Effect of correction by heating/pressing on mechanical behaviour of steel structural members – IIW-1892-07 (ex-doc. XV-1252r1-07) – (No. 11/12, November/December – Research Supplement).

- Holmberg B., Bergquist A. (Sweden) – Suitable corrosion test methods for stainless steel welds – IIW-1880-07 (ex-doc. IX-2230r1-07/IX-H-660-07) – (No. 3/4, March/April).
- Horrex N.L., Wiesner C.S., Russell M.J., Blignault C. (United Kingdom) – Recent developments in the friction stir welding of titanium alloys – IIW-1903-08 (ex-doc. III-1428r1-07) – (No. 9/10, September/October).
- Hort N., dos Santos J.F., Kainer K.U., Pinheiro G.A., Pankiewicz C.G. (Germany) – Effects of welding conditions on microstructural transformations and mechanical properties in AE42-HP friction welded joints – IIW-1915-08 (ex-doc. III-1436r1-07) – (No. 11/12, November/December – Research Supplement).
- Huther I., Lefebvre F., Lieurade H.P. (France) – Effect of weld quality and postweld improvement techniques on the fatigue resistance of extra high strength steels – IIW-1863-07 (ex-doc. XIII-2184r1-07) – (No. 7/8, July/August – Research Supplement).
- Janota M. (Slovakia), Neumann H. (Czech Republic) – Share of spot welding and other joining methods in automotive production – IIW-1856-07 (ex-doc. III-1423r1-07) – (No. 3/4, March/April).
- Jarmai K., Orban F., Farkas J. (Hungary) – Cost minimization of a ring-stiffened conical shell loaded by external pressure – IIW-1842-07 (ex-doc. XV-1248r1-07) – (No. 5/6, May/June – Research Supplement).
- Jene T., Dobmann G., Wagner G., Eifler D. (Germany) – Monitoring of the friction stir welding process to describe parameter effects on joint quality – IIW-1868-07 (ex-doc. III-1430r1-07) – (No. 9/10, September/October – Research Supplement).
- Jonsson B., Barsoum Z. (Sweden) – Fatigue assessment and LEFM analysis of cruciform joints fabricated with different welding processes – IIW-1862-07 (ex-doc. XIII-2175r1-07) – (No. 7/8, July/August – Research Supplement).
- Juhas M.C., Williams J.C., Pilchak A.L. (United States) – A comparison of friction stir processing of mill annealed and investment cast Ti-6Al-4V – IIW-1888-08 (ex-doc. III-1435r1-07) – (No. 9/10, September/October – Research Supplement).
- Kainer K.U., Pinheiro G.A., Pankiewicz C.G., Hort N., dos Santos J.F. (Germany) – Effects of welding conditions on microstructural transformations and mechanical properties in AE42-HP friction welded joints – IIW-1915-08 (ex-doc. III-1436r1-07) – (No. 11/12, November/December – Research Supplement).
- Kannengiesser Th., Wongpanya P., Boellinghaus Th. (Germany), Lothongkum G. (Thailand) – Effects of preheating and interpass temperature on stresses in S 1100 QL multi-pass butt-welds – IIW-1851-07 (ex-doc. IX-2240r1-07) – (No. 3/4, March/April – Research Supplement).
- Karakas Ö., Gülsöz A. (Turkey), Sonsino M., Hanselka H., Vogt M., Dilger K. (Germany) – Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).
- Karkhin V.A., Levchenko A.M. (Russia) – Computer aided determination of diffusible hydrogen in deposited weld metal – IIW-1889-08 (ex-doc. II-1634r1-07/II-A-182r1-07) – (No. 3/4, March/April).
- Kim Y.-C., Hirohata M. (Japan) – Effect of correction by heating/pressing on mechanical behaviour of steel structural members – IIW-1892-07 (ex-doc. XV-1252r1-07) – (No. 11/12, November/December – Research Supplement).
- Kolenič F., Fodrek P., Blazicek P., Kovaříková I., Blaškovič P. (Slovak Republic) – Study of properties of layers deposited with laser by use of powder fillers containing diborides – IIW-1911-08 (ex-doc. IV-948r1-07) – (No. 7/8, July/August).
- Komizo Y., Terasaki H., Yonemura M., Osuki T. (Japan) – Development of in-situ microstructure observation techniques in welding – IIW-1853-07 (ex-doc. IX-2238r1-07/IX-L-1007r1-07) – (No. 5/6, May/June – Research Supplement).
- Konda N., Nishio M., Onishi K., Arimochi K., Yasuda O., Nagaki H., Yamano T., Morishita H., Takaba S. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).
- Kontopoulou M., Prabhakaran R., Baylis B., Bates P.J., Aghamirian M. (Canada) – Vibration welding quality control using piezoelectric shear stress transducers – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).
- Kovaříková I., Blaškovič P., Kolenič F., Fodrek P., Blazicek P. (Slovak Republic) – Study of properties of layers deposited with laser by use of powder fillers containing diborides – IIW-1911-08 (ex-doc. IV-948r1-07) – (No. 7/8, July/August).
- Kozeschnik E., Brantner H.P., Cerjak H., Maalekian M. (Austria) – On the influence of hot straining of austenite in solid-state welding of high carbon steel – IIW-1849-07 (ex-doc. IX-2235r1-07) – (No. 1/2, January/February – Research Supplement).
- Landy M., Easterbrook E. (United States), Duchet M., Rossillon F., Galtier A. (France) – Improvement of fatigue strength of spot welds using the StressWave™ technique – IIW-1864-07 (ex-doc. XIII-2137r1-06) – (No. 1/2, January/February).
- Leduey B., Chovet C., Galand E. (France) – Effect of various factors on toughness in P92 SAW weld metal – IIW-1909-08 (ex-doc. II-1646r1-07/II-C-341r1-07) – (No. 7/8, July/August).
- Lefebvre F., Lieurade H.P., Huther I. (France) – Effect of weld quality and postweld improvement techniques on the fatigue resistance of extra high strength steels – IIW-1863-07 (ex-doc. XIII-2184r1-07) – (No. 7/8, July/August – Research Supplement).
- Lens A., Rossillon F., Galtier A., Robert J.L., Duchet M. (France), Oikawa H. (Japan) – Effect of welding cycle

on the fatigue behaviour of resistance spot welded Dual Phase steels – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).

Levchenko A.M., Karkhin V.A. (Russia) – Computer - aided determination of diffusible hydrogen in deposited weld metal – IIW-1889-08 (ex-doc. II-1634r1-07/II-A-182r1-07) – (No. 3/4, March/April).

Lieurade H.P., Huther I., Lefebvre F. (France) – Effect of weld quality and postweld improvement techniques on the fatigue resistance of extra high strength steels – IIW-1863-07 (ex-doc. XIII-2184r1-07) – (No. 7/8, July/August – Research Supplement).

Lothongkum G. (Thailand), Wongpanya P., Boellinghaus Th., Kannengiesser Th. (Germany) – Effects of preheating and interpass temperature on stresses in S 1100 QL multi-pass butt-welds – IIW-1851-07 (ex-doc. IX-2240r1-07) – (No. 3/4, March/April – Research Supplement).

Lowke J.J., Murphy A.B. (Australia), Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K. (Japan) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Maalekian M., Kozeschnik E., Brantner H.P., Cerjak H. (Austria) – On the influence of hot straining of austenite in solid-state welding of high carbon steel – IIW-1849-07 (ex-doc. IX-2235r1-07) – (No. 1/2, January/February – Research Supplement).

Maček J., Batista E., Polajnar I., Diaci J. (Slovenia) – Development of a system for resistance welding of multiple dissimilar joints in a motor protection switch – IIW-1874-07 (ex-doc. III-1445r1-07) – (No. 3/4, March/April – Research Supplement).

Mandziej S.T. (The Netherlands), Výrostková A. (Slovak Republic) – Evolution of Cr-Mo-V weld metal microstructure during creep testing – Part 1: P91 material – IIW-1822-07 (ex-doc. II-1601-06) – (No. 1/2, January/February).

Marquis G., Björk T. (Finland), Samuelsson J. (Sweden) – The need for a weld quality system for fatigue loaded structures – IIW-1821-07 (ex-doc. XIII-2103r1-06) – (No. 1/2, January/February).

Martinez Díez F. (United States) – Development of a compressive residual stress field around a weld toe by means of phase transformations – IIW-1891-08 (ex-doc. IX-2231r1-07) - 2007 Henry Granjon Prize, Category B – (No. 7/8, July/August – Research Supplement).

Matsuoka K., Sato Y., Suzuki T., Tominaga T. (Japan) – Fatigue improvement of weld repaired crane runway girder by ultrasonic impact treatment – IIW-1860-07 (ex-doc. XIII-2170r1-07) – (No. 11/12, November/December – Research Supplement).

Meyer A.M., Du Toit M. (South Africa) – The influence of interstitial diffusion across the fusion line on the HAZ microstructure and properties in 12 % chromium type

1.4003 steels – IIW-1901-08 (ex-doc. IX-2233r1-07) – (No. 11/12, November/December – Research Supplement).

Miranda R.M., Quintino L., Costa A., Pina J.C.P., Rosa T., Catarino P., Rodrigues J.P. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).

Morishita H., Takaba S., Konda N., Nishio M., Onishi K., Arimochi K., Yasuda O., Nagaki H., Yamano T. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).

Murphy A.B., Lowke J.J. (Australia), Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K. (Japan) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Nagaki H., Yamano T., Morishita H., Takaba S., Konda N., Nishio M., Onishi K., Arimochi K., Yasuda O. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).

Nakata K., Nogi K., Fujii H., Cui L. (Japan) – Mechanical properties of friction stir welded carbon steel joints – Friction stir welding with and without transformation – IIW-1910-08 (ex-doc. III-1453r1-07) – (No. 9/10, September/October – Research Supplement).

Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K., Tanaka M., Yamamoto K., Tashiro S. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Neumann H. (Czech Republic), Janota M. (Slovakia) – Share of spot welding and other joining methods in automotive production – IIW-1856-07 (ex-doc. III-1423r1-07) – (No. 3/4, March/April).

Nevasmaa P., Salonen J. (Finland) – Reheat cracking susceptibility and toughness of 2%CrMoWVNb P23 steel welds – IIW-1850-07 (ex-doc. IX-2237r1-07) – (No. 3/4, March/April – Research Supplement).

Nishibata H., Okada T., Uchihara M., Fukui K. (Japan), den Uijl N.J., Smith S., van der Veldt T. (Netherlands) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).

Nishimoto K., Saida K., Fujita Y. (Japan) – Crystal growth in laser surface melting and cladding of Ni-base single crystal superalloy – IIW-1846-07 (ex-doc. IX-2243r1-07/IX-H-656r1-07) – (No. 5/6, May/June – Research Supplement).

- Nishio M., Onishi K., Arimochi K., Yasuda O., Nagaki H., Yamano T., Morishita H., Takaba S., Konda N. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).
- Nogi K., Fujii H., Cui L., Nakata K. (Japan) – Mechanical properties of friction stir welded carbon steel joints – Friction stir welding with and without transformation – IIW-1910-08 (ex-doc. III-1453r1-07) – (No. 9/10, September/October – Research Supplement).
- North T.H., Gerlich A. (Canada), Yamamoto M., Shinozaki K. (Japan) – Cracking and local melting in Mg-alloy and Al-alloy during friction stir spot welding – IIW-1867-07 (ex-doc. III-1429r1-07) – (No. 9/10, September/October – Research Supplement).
- Oikawa H. (Japan), Rossillon F., Galtier A., Robert J.L., Duchet M., Lens A. (France) – Effect of welding cycle on the fatigue behaviour of resistance spot welded Dual Phase steels – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).
- Okada T., Uchihara M., Fukui K., Nishibata H. (Japan), den Uijl N.J., Smith S., van der Veldt T. (Netherlands) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).
- Onishi K., Arimochi K., Yasuda O., Nagaki H., Yamano T., Morishita H., Takaba S., Konda N., Nishio M. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).
- Orban F., Farkas J., Jarmai K. (Hungary) – Cost minimization of a ring-stiffened conical shell loaded by external pressure – IIW-1842-07 (ex-doc. XV-1248r1-07) – (No. 5/6, May/June – Research Supplement).
- Osuki T., Komizo Y., Terasaki H., Yonemura M. (Japan) – Development of in-situ microstructure observation techniques in welding – IIW-1853-07 (ex-doc. IX-2238r1-07/IX-L-1007r1-07) – (No. 5/6, May/June – Research Supplement).
- Pankiewicz C.G., Hort N., dos Santos J.F., Kainer K.U., Pinheiro G.A. (Germany) – Effects of welding conditions on microstructural transformations and mechanical properties in AE42-HP friction welded joints – IIW-1915-08 (ex-doc. III-1436r1-07) – (No. 11/12, November/December – Research Supplement).
- Pieters R.R.G.M., Goos C., Rietman B., Richardson I.M. (Netherlands) – Zinc transport phenomena in laser welding of coated sheet steel in overlap configuration – IIW-1896-08 (ex-doc. IV-917-06) – (No. 7/8, July/August).
- Pietrosanti C., Cerrone C., Chiti F., Sacchi M., Fersini M. (Italy) – Application of laser welding to stainless steel light rail vehicle – IIW-1895-08 (ex-doc. IV-916r1-06) – (No. 7/8, July/August).
- Pilchak A.L., Juhas M.C., Williams J.C. (United States) – A comparison of friction stir processing of mill annealed and investment cast Ti-6Al-4V – IIW-1888-08 (ex-doc. III-1435r1-07) – (No. 9/10, September/October – Research Supplement).
- Pina J.C.P., Rosa T., Catarino P., Rodrigues J.P., Miranda R.M., Quintino L., Costa A. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).
- Pinheiro G.A., Pankiewicz C.G., Hort N., dos Santos J.F., Kainer K.U. (Germany) – Effects of welding conditions on microstructural transformations and mechanical properties in AE42-HP friction welded joints – IIW-1915-08 (ex-doc. III-1436r1-07) – (No. 11/12, November/December – Research Supplement).
- Polajnar I., Diaci J., Maček J., Batista E. (Slovenia) – Development of a system for resistance welding of multiple dissimilar joints in a motor protection switch – IIW-1874-07 (ex-doc. III-1445r1-07) – (No. 3/4, March/April – Research Supplement).
- Potente H., Schnieders J., Wilke L. (Germany) – Simulation of quasi-simultaneous and simultaneous laser welding – IIW-1815-07 (ex-doc. XVI-857-06) – (No. 1/2, January/February).
- Prabhakaran R., Baylis B., Bates P.J., Aghamirian M., Kontopoulou M. (Canada) – Vibration welding quality control using piezoelectric shear stress transducers – IIW-1913-08 (ex-doc. XVI-873r1-07) – (No. 11/12, November/December – Research Supplement).
- Quintino L., Costa A., Pina J.C.P., Rosa T., Catarino P., Rodrigues J.P., Miranda R.M. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).
- Quintino L., Santos T., Vilaça P. (Portugal) – Developments in NDT for detecting imperfections in friction stir welds in aluminium alloys – IIW-1866-07 (ex-doc. III-1426r1-07) – (No. 9/10, September/October – Research Supplement).
- Quintino L., Ferraz R., Fernandes I. (Portugal) – International Education, Qualification and Certification Systems in Welding – (No. 1/2, January/February).
- Raj B., Srinivasan G., Bhaduri A.K., Shankar V. (India) – Evaluation of hot cracking susceptibility of some austenitic stainless steels and a nickel-base alloy – IIW-1907-08 (ex-doc. II-1644r1-07/II-C-345r1-07) – (No. 7/8, July/August).
- Richardson I.M., Pieters R.R.G.M., Goos C., Rietman B. (Netherlands) – Zinc transport phenomena in laser welding of coated sheet steel in overlap configuration – IIW-1896-08 (ex-doc. IV-917-06) – (No. 7/8, July/August).
- Rietman B., Richardson I.M., Pieters R.R.G.M., Goos C. (Netherlands) – Zinc transport phenomena in laser welding of coated sheet steel in overlap configuration – IIW-1896-08 (ex-doc. IV-917-06) – (No. 7/8, July/August).

- Robert J.L., Duchet M., Lens A., Rossillon F., Galtier A. (France), Oikawa H. (Japan) – Effect of welding cycle on the fatigue behaviour of resistance spot welded Dual Phase steels – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).
- Rodrigues J.P., Miranda R.M., Quintino L., Costa A., Pina J.C.P., Rosa T., Catarino P. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).
- Rosa T., Catarino P., Rodrigues J.P., Miranda R.M., Quintino L., Costa A., Pina J.C.P. (Portugal) – Analysis of different laser welding processes for joining hardmetals to steel – IIW-1898-08 (ex-doc. IV-935r1-07) – (No. 7/8, July/August).
- Rossillon F., Galtier A., Robert J.L., Duchet M., Lens A. (France), Oikawa H. (Japan) – Effect of welding cycle on the fatigue behaviour of resistance spot welded Dual Phase steels – IIW-1876-07 (ex-doc. III-1458r1-07) – (No. 11/12, November/December – Research Supplement).
- Rossillon F., Galtier A., Duchet M. (France), Landy M., Easterbrook E. (United States) – Improvement of fatigue strength of spot welds using the StressWave™ technique – IIW-1864-07 (ex-doc. XIII-2137r1-06) – (No. 1/2, January/February).
- Russell M.J., Blignault C., Horrex N.L., Wiesner C.S. (United Kingdom) – Recent developments in the friction stir welding of titanium alloys – IIW-1903-08 (ex-doc. III-1428r1-07) – (No. 9/10, September/October).
- Sacchi M., Fersini M., Pietrosanti C., Cerrone C., Chiti F. (Italy) – Application of laser welding to stainless steel light rail vehicle – IIW-1895-08 (ex-doc. IV-916r1-06) – (No. 7/8, July/August).
- Saida K., Fujita Y., Nishimoto K. (Japan) – Crystal growth in laser surface melting and cladding of Ni-base single crystal superalloy – IIW-1846-07 (ex-doc. IX-2243r1-07/IX-H-656r1-07) – (No. 5/6, May/June – Research Supplement).
- Salonen J., Nevasmaa P. (Finland) – Reheat cracking susceptibility and toughness of 2%CrMoWVNb P23 steel welds – IIW-1850-07 (ex-doc. IX-2237r1-07) – (No. 3/4, March/April – Research Supplement).
- Samuelsson J. (Sweden), Björk T., Marquis G. (Finland) – The need for a weld quality system for fatigue loaded structures – IIW-1821-07 (ex-doc. XIII-2103r1-06) – (No. 1/2, January/February).
- Santos T., Vilaça P., Quintino L. (Portugal) – Developments in NDT for detecting imperfections in friction stir welds in aluminium alloys – IIW-1866-07 (ex-doc. III-1426r1-07) – (No. 9/10, September/October – Research Supplement).
- Sato Y., Suzuki T., Tominaga T., Matsuoka K. (Japan) – Fatigue improvement of weld repaired crane runway girder by ultrasonic impact treatment – IIW-1860-07 (ex-doc. XIII-2170r1-07) – (No. 11/12, November/December – Research Supplement).
- Schnieders J., Wilke L., Potente H. (Germany) – Simulation of quasi-simultaneous and simultaneous laser welding – IIW-1815-07 (ex-doc. XVI-857-06) – (No. 1/2, January/February).
- Seefeld T., Vollertsen F., Thomy C. (Germany) – Humming effect in welding of steel with single-mode fibre laser – IIW-1900-08 (ex-doc. IV-938-07) – (No. 5/6, May/June).
- Seefeld T., Vollertsen F., Buschenhenke F. (Germany) – Reduction of hot cracking in laser welding using hyper-eutectic AlSi filler wire – IIW-1899-08 (ex-doc. IV-936-07) – (No. 5/6, May/June).
- Select Committee “Environment” – Notes on power efficiency in welding – IIW-1840-07 (ex-doc. SC-ENV-62r2-06) – (No. 1/2, January/February).
- Shankar V., Raj B., Srinivasan G., Bhaduri A.K. (India) – Evaluation of hot cracking susceptibility of some austenitic stainless steels and a nickel-base alloy – IIW-1907-08 (ex-doc. II-1644r1-07/II-C-345r1-07) – (No. 7/8, July/August).
- Shinozaki K., Yamamoto M. (Japan), Gerlich A., North T.H. (Canada) – Cracking and local melting in Mg-alloy and Al-alloy during friction stir spot welding – IIW-1867-07 (ex-doc. III-1429r1-07) – (No. 9/10, September/October – Research Supplement).
- Siegele D., Brand M., Veneziano C. (Germany) – Numerical welding simulation of an aluminium automotive component – IIW-1818-07 (ex-doc. X-1599-06) – (No. 1/2, January/February).
- Smith S., van der Veldt T., den Uijl N.J. (Netherlands), Nishibata H., Okada T., Uchihara M., Fukui K. (Japan) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).
- Sonsino M., Hanselka H., Vogt M., Dilger K. (Germany), Karakas Ö., Gülsöz A. (Turkey) – Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).
- Soron M. (Sweden) – Towards multidimensionality and flexibility in FSW using an industrial robot system – IIW-1870-07 (ex-doc. III-1432r1-07) – (No. 9/10, September/October – Research Supplement).
- Sperle J-O. (Sweden) – Influence of parent metal strength on the fatigue strength of parent material with machined and thermally cut edges – IIW-1861-07 (ex-doc. XIII-2174r1-07) – (No. 7/8, July/August – Research Supplement).
- Srinivasan G., Bhaduri A.K., Shankar V., Raj B. (India) – Evaluation of hot cracking susceptibility of some austenitic stainless steels and a nickel-base alloy – IIW-1907-08 (ex-doc. II-1644r1-07/II-C-345r1-07) – (No. 7/8, July/August).

- Stassart X., de Meester B., Dhooge A., Van Haver W. (Belgium) – Friction stir welding of aluminium high pressure die castings: parameter optimisation and gap bridgeability – IIW-1865-07 (ex-doc. III-1424r1-07) – (No. 9/10, September/October – Research Supplement).
- Suzuki K., Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).
- Suzuki T., Tominaga T., Matsuoka K., Sato Y. (Japan) – Fatigue improvement of weld repaired crane runway girder by ultrasonic impact treatment – IIW-1860-07 (ex-doc. XIII-2170r1-07) – (No. 11/12, November/December – Research Supplement).
- Takaba S., Konda N., Nishio M., Onishi K., Arimochi K., Yasuda O., Nagaki H., Yamano T., Morishita H. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).
- Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).
- Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K., Tanaka M., Yamamoto K. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).
- Terasaki H., Yonemura M., Osuki T., Komizo Y. (Japan) – Development of in-situ microstructure observation techniques in welding – IIW-1853-07 (ex-doc. IX-2238r1-07/IX-L-1007r1-07) – (No. 5/6, May/June – Research Supplement).
- Thomy C., Seefeld T., Vollertsen F. (Germany) – Humming effect in welding of steel with single-mode fibre laser – IIW-1900-08 (ex-doc. IV-938-07) – (No. 5/6, May/June).
- Tolf E., Hedegård J. (Sweden) – Influence of reduced cooling time on the properties of resistance spot welds – IIW-1875-07 (ex-doc. III-1447r1-07) – (No. 3/4, March/April – Research Supplement).
- Tominaga T., Matsuoka K., Sato Y., Suzuki T. (Japan) – Fatigue improvement of weld repaired crane runway girder by ultrasonic impact treatment – IIW-1860-07 (ex-doc. XIII-2170r1-07) – (No. 11/12, November/December – Research Supplement).
- Uchihara M., Fukui K., Nishibata H., Okada T. (Japan), den Uijl N.J., Smith S., van der Veldt T. (Netherlands) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).
- Ushio M., Yamazaki K., Yamamoto E., Suzuki K., Tanaka M., Yamamoto K., Tashiro S., Nakata K. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).
- van der Veldt T., den Uijl N.J., Smith S. (Netherlands), Nishibata H., Okada T., Uchihara M., Fukui K. (Japan) – Prediction of post weld hardness of advanced high strength steels for automotive application using a dedicated carbon equivalent number – IIW-1873-07 (ex-doc. III-1444r1-07) – (No. 11/12, November/December – Research Supplement).
- Van Haver W., Stassart X., de Meester B., Dhooge A. (Belgium) – Friction stir welding of aluminium high pressure die castings: parameter optimisation and gap bridgeability – IIW-1865-07 (ex-doc. III-1424r1-07) – (No. 9/10, September/October – Research Supplement).
- van Rooyen C. (South Africa) – Microstructural development during laser cladding of low-C martensitic stainless steel – IIW-1852-07 (ex-doc. IX-2252-07/IX-H-657-07) – (No. 3/4, March/April).
- Veneziano C., Siegele D., Brand M. (Germany) – Numerical welding simulation of an aluminium automotive component – IIW-1818-07 (ex-doc. X-1599-06) – (No. 1/2, January/February).
- Vilaça P., Quintino L., Santos T. (Portugal) – Developments in NDT for detecting imperfections in friction stir welds in aluminium alloys – IIW-1866-07 (ex-doc. III-1426r1-07) – (No. 9/10, September/October – Research Supplement).
- Vogt M., Dilger K., Sonsino M., Hanselka H. (Germany), Karakas Ö., Gülsöz A. (Turkey) – Fatigue design values for welded joints of the wrought magnesium alloy AZ31 (ISO-MgAl<sub>3</sub>Zn<sub>1</sub>) according to the nominal, structural and notch stress concepts in comparison to welded steel and aluminium connections – IIW-1857-07 (ex-doc. XIII-2157r1-07/XV-1249r1-07) – (No. 5/6, May/June – Research Supplement).
- Vollertsen F., Thomy C., Seefeld T. (Germany) – Humming effect in welding of steel with single-mode fibre laser – IIW-1900-08 (ex-doc. IV-938-07) – (No. 5/6, May/June).
- Vollertsen F., Buschenhenke F., Seefeld T. (Germany) – Reduction of hot cracking in laser welding using hypereutectic AlSi filler wire – IIW-1899-08 (ex-doc. IV-936-07) – (No. 5/6, May/June).
- Výrostková A. (Slovak Republic), Mandziej S.T. (The Netherlands) – Evolution of Cr-Mo-V weld metal microstructure during creep testing – Part 1: P91 material – IIW-1822-07 (ex-doc. II-1601-06) – (No. 1/2, January/February).
- Wagner G., Eifler D., Jene T., Dobmann G. (Germany) – Monitoring of the friction stir welding process to describe parameter effects on joint quality – IIW-

1868-07 (ex-doc. III-1430r1-07) – (No. 9/10, September/October – Research Supplement).

Wagner G., Walther F., Eifler D., Gutensohn M. (Germany) – The fatigue behaviour of friction stir welded aluminium joints – IIW-1878-07 (ex-doc. III-1437r1-07) – (No. 9/10, September/October – Research Supplement).

Walther F., Eifler D., Gutensohn M., Wagner G. (Germany) – The fatigue behaviour of friction stir welded aluminium joints – IIW-1878-07 (ex-doc. III-1437r1-07) – (No. 9/10, September/October – Research Supplement).

Westin E.M., Engström H. (Sweden) – Effect of post-weld straining on temper-rolled austenitic stainless steel welds – IIW-1847-07 (ex-doc. IX-2232r1-07) – (No. 1/2, January/February – Research Supplement).

Wiesner C.S., Russell M.J., Bignault C., Horrex N.L. (United Kingdom) – Recent developments in the friction stir welding of titanium alloys – IIW-1903-08 (ex-doc. III-1428r1-07) – (No. 9/10, September/October).

Wilke L., Potente H., Schnieders J. (Germany) – Simulation of quasi-simultaneous and simultaneous laser welding – IIW-1815-07 (ex-doc. XVI-857-06) – (No. 1/2, January/February).

Williams J.C., Pilchak A.L., Juhas M.C. (United States) – A comparison of friction stir processing of mill annealed and investment cast Ti-6Al-4V – IIW-1888-08 (ex-doc. III-1435r1-07) – (No. 9/10, September/October – Research Supplement).

Wongpanya P., Boellinghaus Th., Kannengiesser Th. (Germany), Lothongkum G. (Thailand) – Effects of preheating and interpass temperature on stresses in S 1100 QL multi-pass butt-welds – IIW-1851-07 (ex-doc. IX-2240r1-07) – (No. 3/4, March/April – Research Supplement).

Yamamoto E., Suzuki K., Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Yamamoto K., Tashiro S., Nakata K., Ushio M., Yamazaki K., Yamamoto E., Suzuki K., Tanaka M. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Yamamoto M., Shinozaki K. (Japan), Gerlich A., North T.H. (Canada) – Cracking and local melting in Mg-alloy and Al-alloy during friction stir spot welding – IIW-1867-07 (ex-doc. III-1429r1-07) – (No. 9/10, September/October – Research Supplement).

Yamano T., Morishita H., Takaba S., Konda N., Nishio M., Onishi K., Arimochi K., Yasuda O., Nagaki H. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).

Yamazaki K., Yamamoto E., Suzuki K., Tanaka M., Yamamoto K., Tashiro S., Nakata K., Ushio M. (Japan), Murphy A.B., Lowke J.J. (Australia) – Metal vapour behaviour in gas tungsten arc thermal plasma during welding – IIW-1879-07 (ex-doc. SG-212-1107r1-07) – (No. 11/12, November/December – Research Supplement).

Yasuda O., Nagaki H., Yamano T., Morishita H., Takaba S., Konda N., Nishio M., Onishi K., Arimochi K. (Japan) – Study on improvement of fatigue strength of welded structures by new functional structural steel plates – IIW-1858-07 (ex-doc. XIII-2163r1-07) – (No. 5/6, May/June – Research Supplement).

Yonemura M., Osuki T., Komizo Y., Terasaki H. (Japan) – Development of in-situ microstructure observation techniques in welding – IIW-1853-07 (ex-doc. IX-2238r1-07/IX-L-1007r1-07) – (No. 5/6, May/June – Research Supplement).

Zak G., Bates P.J., Chen M. (Canada) – Estimating contour laser transmission welding start-up conditions using a novel non-contact method – IIW-1912-08 (ex-doc. XVI-868r1-07) – (No. 11/12, November/December – Research Supplement).