

# NOTICIARIO



## NOTICIAS DEL INSTITUTO INTERNACIONAL DE LA SOLDADURA

### DOCUMENTOS DEL IIS/IIW 1998

Lista de Documentos recomendados para publicación

Documento(*)	Título
<b>IIS/IIW-1404-98</b> II-1355-98	Technology and metallurgy methods for decreasing the diffusible hydrogen content <i>M. Pokhodnya, A. Paltsevich et al. (Ucrania)</i>
<b>IIS/IIW-1405-98</b> II-1345-98	FN measurement round robin using shop and field instruments after calibration by secondary standards. Final report <i>D.J. Kotecki (EE.UU.)</i>
<b>IIS/IIW-982-88</b> III-917-88 Publicado en WIW N° 3/4, 1990	Specimen dimensions and procedure for mechanised peel testing resistance spot, seam and projection welding
<b>IIS/IIW-1406-98</b> III-946-89	Hardness testing of resistance spot, projection and seam welding
<b>IIS/IIW-1407-98</b> III-948-89	Specimen dimensions and testing procedure for shear testing resistance spot and projection welds
<b>IIS/IIW-1408-98</b> III-947-89	Specimen dimensions and testing for cross tension testing resistance spot and projection welds
<b>IIS/IIW-1409-98</b> III-949-88	Specimen dimensions and procedure for impact shear and cross tension
<b>IIS/IIW-1410-98</b> III-986-92	Method for fatigue testing of overlap resistance welds
<b>IIS/IIW-1411-98</b> III-985-92	Definition of failure types and geometric measurements for weld quality for resistance spot, seam and projection welds
<b>IIS/IIW-1412-98</b> III-1005-93	Procedure for spot welding of uncoated and coated low carbon and high strength steels
<b>IIS/IIW-1413-98</b> V-1111-98	Application of imaging plates in the radiographic examination of welded joints <i>G. Rihar, J. Rant, J. Stade and M. Kaling (Eslovenia)</i>
<b>IIS/IIW-1414-98</b> V-1113-98	Penetrants for hot surfaces in welding inspection. Experimental work and first results. <i>G. Calcagno and R. Marmigi (Italia)</i>

<p><b>IIS/IIW-1415-98</b> VIII-1858-98</p>	<p>Statement of Commission VIII (Health and Safety). Health hazards from exposure to electromagnetic fields in welding</p>
<p><b>IIS/IIW-1416-98</b> VIII-1856-98</p>	<p>Statement of Commission VIII (Health and Safety). Welding adds hazards to work in confined spaces</p>
<p><b>IIS/IIW-1417-98</b> VIII-1817-97</p>	<p>Occupational health in metal arc welding <i>P.J. Hewitt</i> (Reino Unido)</p>
<p><b>IIS/IIW-1418-98</b> VIII-1859-98</p>	<p>Welding with non-consumable thoriated tungsten electrodes</p>
<p><b>IIS/IIW-1419-98</b> IX-1920-98</p>	<p>Intermetallic phase precipitation in duplex stainless steels and weld metals. Metallurgy influence on properties, welding and testing aspects <i>L. Karlsson</i> (Suecia)</p>
<p><b>IIS/IIW-1420-98</b> IX-1921-98</p>	<p>Predicted and measured FN in specifications <i>D.J. Kotecki</i> (EE.UU.)</p>
<p><b>IIS/IIW-1421-98</b> IX-1922-98</p>	<p>Technical note on specification of metallographic properties of weldments in duplex and superduplex stainless steels <i>L. van Nassau</i> and <i>H. Meelker</i> (Holanda)</p>
<p><b>IIS/IIW-1422-98</b> IX-1891-97</p>	<p>Welding of nickel superalloy single crystals <i>S.A. David, J.M. Vitek, S.S. Babu, L.A. Boatner</i> and <i>R.W. Reed</i> (EE.UU.)</p>
<p><b>IIS/IIW-1423-98</b> IX-1919-97</p>	<p>Developments in laser welding of metallic materials and characterisation of joints <i>G.Cam, M. Kocak</i> and <i>J.F. dos Santos</i> (Alemania)</p>
<p><b>IIS/IIW-1424-98</b> IX-1900-98</p>	<p>Application of the IRC test for assessment of reaction stresses in tubular joints with respect to hydrogen assisted weld cracking <i>T. Boellinghaus, H. Hoffmeister</i> and <i>M. Littich</i> (Alemania)</p>
<p><b>IIS/IIW-1425-98</b> IX-1904-98</p>	<p>Temper embrittlement in HAZ of Cr-Mo steels <i>K. Tamaki, H. Hawakami</i> and <i>J. Suzuki</i> (Japón)</p>
<p><b>IIS/IIW-1426-98</b> IX-1917-98</p>	<p>Formability of laser welds in steel sheets <i>P. Wouters, G. Monfort</i> and <i>J. Defourny</i> (Bélgica)</p>
<p><b>IIS/IIW-1427-98</b> IX-1910-98</p>	<p>Modelling of one sided welding to describe hot cracking at the end of longer butt weld seams <i>H. Herold, M. Steinberger</i> and <i>A. Pchennikov</i> (Alemania)</p>
<p><b>IIS/IIW-1428-98</b> IX-1901-98 Publicado en WIW Nº 5/6, 1998</p>	<p>Interpass temperature and the welding of strong steels 98 Granjon Prize in Category B <i>M. Lord</i> (Reino Unido)</p>
<p><b>IIS/IIW-1429-98</b> XI-695-98</p>	<p>Recommended practices for local 360-degree band postweld heat treatment <i>J.W. McEnerney</i> (EE.UU.)</p>
<p><b>IIS/IIW-1430-98</b> XIII-1744-98</p>	<p>Failure of an exercise cycle <i>S.J. Maddox</i> (Reino Unido)</p>

<b>IIS/IIW-1431-98</b> XIII-1711-98	Influence of maximum stress on fatigue crack initiation life of welded steel joints and notched steel plates <i>K. Matsuoka and Y. Kobayashi</i> (Japón)
<b>IIS/IIW-1432-98</b> XIII-1707-98	Fatigue crack growth simulations in laser welded lap joints <i>T. Nykanen</i> (Finlandia)
<b>IIS/IIW-1433-98</b> XIII-1709-98	Geometric dependency on fatigue strength in transverse load-carrying cruciform joint with partial penetration K welds <i>T. Nykanen</i> (Finlandia)
<b>IIS/IIW-1434-98</b> XIII-1737-98	Local-global stress analysis of fillet welded joints <i>F. Labesse and N. Recho</i> (Francia)
<b>IIS/IIW-1435-98</b> XIII-1739-98 (XV-982-98)	Longitudinal non loaded welded joints, geometrical stress approach <i>I. Huther, S. Laborde, S. Gorski, H.P. Lieurade and N. Recho</i> (Francia)
<b>IIS/IIW-1436-98</b> XIII-1708-98	The laser weld repair of fatigue cracks in shipsteels <i>P.M. Brown, G. Shannon, W. Deans and J. Bird</i> (Reino Unido)
<b>IIS/IIW-1437-98</b> XIII-1720-98	Actual effect of weld defects on the fatigue behaviour of aluminium butt welds <i>D. Colchen</i> (Francia)
<b>IIS/IIW-1438-98</b> XIII-1735-98	Fatigue strength of HSS butt welded joints. Effects of micro-defects and failure life prediction <i>C. Buirette et al.</i> (Francia)
<b>IIS/IIW-1439-98</b> XIII-1706-98	Fatigue strength improvement by using newly developed low transformation temperature welding material <i>A. Ohta et al</i> (Japón)
<b>IIS/IIW-1440-98</b> XV-986-98	Optimum design of a stiffened conical roof considering the residual welding distortions <i>J. Farkas and K. Jarmai</i> (Hungría)
<b>IIS/IIW-1441-98</b> XV-987-98	Optimum design of welded cellular plates for ship deck panels <i>K. Jarmai, J. Farkas</i> (Hungría) and <i>H. Petershagen</i> (Alemania)
<b>IIS/IIW-1435-98</b> XV-982-98 (XIII-1739-98)	Longitudinal non loaded welded joints, geometrical stress approach <i>I. Huther, S. Laborde, S. Gorski, H.P. Lieurade and N. Recho</i> (Francia)
<b>IIS/IIW-1442-98</b> XV-1002-98	Residual stresses in resistance spot welds: Finite elements simulations, X-ray measurements and influence on fatigue behaviour <i>H.F. Henrysson, F. Abdulwahab, B.L. Josefson and M. Fermer</i> (Suecia)
<b>IIS/IIW-1443-98</b> XV-1003-98 (X-1413-98)	A survey of development in welding stress and distortion controlling in aerospace manufacturing engineering in China <i>Q. Guan</i> (China)

<b>IIS/IW-1444-98</b> XVI-741-98	Vibration welding of semi-finished products and mouldings in volume production (Guideline DVS 2217-1)
<b>IIS/IW-1445-98</b> XVI-735-98	Hot plate welding of mouldings made from amorphous thermoplastics in volume production (Guideline DVS 2215-3; 08.1998) Welding parameters for amorphous thermoplastics and blends (accompanying sheet 1; 02.1998)
<b>IIS/IW-1446-98</b> XVI-734-98	Improvement of the joint-element properties through the combination of mechanical fasteners and adhesive bonding <i>O. Hahn</i> and <i>A. Peetz</i> (Alemania)
<b>IIS/IW-1447-98</b> XVI-738-98	Curing caused tensions on adhesive bonding of steel sheets <i>O. Hahn</i> and <i>M. Eis</i> (Alemania)
<b>IIS/IW-1448-98</b> XVI-737-98	Overlap welding of PE-geomembranes <i>M. Gehde</i> (Alemania)

(\*) Referencia de Documento del IIS y de la Comisión que lo ha estudiado.

# CALENDARIO

## CONGRESOS, ASAMBLEAS, CURSOS Y CONFERENCIAS

Fecha 1999	Lugar	Congreso y entidad organizadora
18-22 ene.	Guildford, Surrey (Reino Unido)	<b>Scanning Probe Microcopy.</b> -Short course- Derek Saunders Manager of Continuing Education. Dpt. of Materials Science and Engineering. University of Surrey Guildford GU2 5XH (Reino Unido). Tel.: +44(0)1483 25 96 12. Fax. +44(0)1483 25 95 08. E-mail: D.Saunders@surrey.ac.uk.
1-4 feb.	Amsterdam (Países Bajos)	<b>Fired process heaters (Design. Instrumentation. Operation. Corrosion &amp; Emission Control)</b> (A four-day practical course). The Center for Professional Advancement. Oudezijds Voorburgwal 316A. 1012 GM Amsterdam (Países Bajos). Tel.: +31 20 638.28.06. Fax: +31 20 620.21.36. <a href="http://www.cfpa.com">http://www.cfpa.com</a>
2-5 feb.	Palexpo, Geneva (Suiza)	<b>R'99. 4th World Congress with Company Displays.</b> PEAK Ltd. Dir. Anis Barrage. Seefeldstrasse 224. CH-8008-Zurich. Telf.: +41 1 386 44 44. Fax: +41 1 386 44 45. E-mail: barrage@peak.ch.
16-19 feb.	Amsterdam (Países Bajos)	<b>Compressor and steam turbine technology. For the chemical and process industries</b> (A three-four day intensive course). The Center for Professional Advancement. Oudezijds Voorburgwal 316A. 1012 GM Amsterdam (Países Bajos). Tel.: +31 20 638.28.06. Fax: +31 20 620.21.36. <a href="http://www.cfpa.com">http://www.cfpa.com</a>
22-24 feb.	New Delhi (India)	<b>Colloquium. Foundations for Major Bridges - Design and Construction.</b> -Preliminary Invitation and Call for papers- New Delhi Colloquium Secretariat. New Delhi Colloquium 1999. Indian National Group of the IABSE. IDA Building, Jamnagar House. Shahjahan Road. New Delhi-110001 (India). Tel.: +91+11+371 03 58; 91+11+378 29 23. Fax: +91+11+338 81 32. <a href="http://www.iabse.ethz.ch">http://www.iabse.ethz.ch</a> .
9-12 mar.	Tsukuba (Japón)	<b>4th International Symposium on Advanced Physical Fields. Quantum Phenomena in Advanced Materials at High Magnetic Fields.</b> National Research Institute for Metals. Secretaría del Simposio: Center for Advanced Physical Fields. National Research Institute for Metals. 1-2-1 Sengen, Tsukuba, Ibaraki 305-0047. Japón. Tel.: +81 298 59 5005. Fax: +81 298 59 5010. E-mail: apf4@nrim.go.jp
15-17 mar.	Amsterdam (Países Bajos)	<b>Minerals Engineering Conferences GRAVITY '99.</b> Dr. Barry A. Wills. Cornwall CSMA Minerals Ltd. Trevenson Site. Redruth. Cornwall. TR15 3SE (Reino Unido). Telf. y fax: +44 (0) 1326 31 83 52. E-mail: min.eng@netmatters.co.uk.
24-26 mar.	Prague (República Checa)	<b>3rd International Conference on Quenching and Control of Distortion.</b> -Call for papers- Quench '99. c/o Ms. Debby Koot, ASM Europe Office, 15. Blvd. St. Michel. B-1040 Brussels (Bélgica). Fax: +32.2 743 15 50. E-mail: asm@associationhq.com.
20-22 abr.	Madrid (España)	<b>ENERCOM '99. 1er Congreso Anual de Energía.</b> Más información: Enercom '99 Hotel Meliá Avenida de América. Juan Ignacio Luca de Tena 36. 28027-Madrid (España). Tel.: 91 320 30 30.
16-19 may.	Helsingor (Dinamarca)	<b>The 9th International Conference on the Joining of Materials JOM-9.</b> JOM Institut Secretariat. Klintehoj Vaenge 21. DK-3460 Birkerod (Dinamarca). Tel. +45 45 82 80 95. Fax: +45 45 94 08 55. E-mail: jom_aws@post10.tele.dk.
19-21 may.	Vitoria-Gasteiz (España)	<b>9º Congreso Nacional de END.</b> Secretaría Técnica: EGUNBIDE. 9º Congreso END. Vicente Goikoetxea, 1 of. 4. 01008-Vitoria-Gasteiz (España). Tel.: 945 14 66 30. Fax: 945 14 68 27. E-mail: egunbide@abc.ibernet.com.
27-28 may.	Brussels (Bélgica)	<b>Supermartensitic stainless steels 99</b> -Call for papers- Belgian Welding Institute. Prof. ir. A. Dhooge. Sint-Pietersnieuwstraat 41. B-9000 Gent (Bélgica). Fax: +32(0)9 223 73 26. Tel.: +32(0)9 264 32 50. E-mail: Afred.Dhooge@rug.ac.be.
31 may- 4 jun	Udine (Italia)	<b>Damage Mechanics. Statistical aspects. Academic year 1999.</b> The Parkus session. Centro Internazionale di Scienze Meccaniche. Palazzo del Torso - Piazza Garibaldi, 18. 33100 Udine (Italia). Tel.: +39 043 22 48 511. Fax: +39 043 22 48 550. E-mail: cis@uniud.it. <a href="http://www.uniud.it/cism/homepage.htm">http://www.uniud.it/cism/homepage.htm</a>

1-2 jun	San Nicolás (Argentina)	<b>Curso de Colada Continua.</b> Contacto: Jorge Madias. Tel.: 54 461 60257. Fax: 54 461 62989. E-mail: madias.ias@cablenet.com.ar.
2-4 jun.	Malmö (Suecia)	<b>IABSE Conference on Cable-Stayed Bridges</b> -Past, present and future- IABSE Conference "Cable-Stayed Bridges". c/o Congrex Sweden AB, PO Box 5619. S-114 86 Stockholm (Suecia). Tel.: +46 8 459 66 00. Fax: +46 8 661 91 25. E-mail: congrex@congrex.se.
7-8 jun	Luleå (Suecia)	<b>SCAMET I. 1st International Conference on Process Development in Iron and Steelmaking.</b> Scanmet I. c/o Mefos. Mrs Lotti Järlebro. Box 812. S-971 25 Luleå (Suecia). Tel. +46 920 20 19 04. Fax: +46 920 25 58 32. E-mail: lotti.jarlebro@mefos.se.
7-9 jun.	Chia Laguna Sardinia (Italia)	<b>Stainless Steel '99 - Science and Market. International Congress -3rd European Congress.</b> AIM Secretariat - Piazzale R. Morandi, 2. 20121-Milano (Italia). Tel.: +39(2)76 02 1132 / 76 02 0551. Fax: +39(2)76 02 0551. e-mail: aim@fast.mi.it.
7-10 jun.	Sevilla (España)	<b>IV Congreso Métodos Numéricos en Ingeniería.</b> Sdad. Española de Métodos Numéricos en Ingeniería. Edificio C-1, Gran Capitán, s/n. 08034-Barcelona (España). Telf.: 93 401 60 39 205 70 16. Fax: 93 401 65 17. E-mail: semni@etsecpb.upc.es. <a href="http://cimne.upc.es/cimne/congresos/congresos.htm">http://cimne.upc.es/cimne/congresos/congresos.htm</a> .
9-10 jun.	Abington, Cambridge (Reino Unido)	<b>3rd Conference TWI. European Standards and Directives: Comply or die!</b> Más información: Rachel Wall. Conference Administrator. TWI. Granta Park. Great Abington. Cambridge CB1 6AL (Reino Unido). Tel.: 44(0)1223 891 162. Fax: +44(0)1223 894 363. E-mail: meetings@twi.co.uk
13-15 jun.	Düsseldorf (Alemania)	<b>METEC Congress 99. International Conference on New Developments in Metallurgical Process Technology, y 6th European Electric Steelmaking Conference.</b> Centro de Congresos de Düsseldorf. Secretaría: Verein Deutscher Eisenhüttenleute (VDEh). Postfach 10 51 45. D-40042 Düsseldorf. Tel.: +49 211/6707-472. Fax: +49 211/6707-410.
16-18 jun.	Vienna (Austria)	<b>4th International Conference and Exhibition on The Recycling of Metals.</b> ASM European Office, 15 Blvd. St. Michel, B-1040. Brussels (Bélgica). Fax: +32 2 743 1550. E-mail: asm@associationhq.com.
20-23 jun.	El Escorial (Madrid, España)	<b>Biohydrometallurgy and the environment toward the mining of the 21st century.</b> Symposium Secretariat and Information: International Biohydrometallurgy Symposium 99. IBS-99. Dpto. de Ciencia de los Materiales e Ingeniería Metalúrgica. Facultad de Ciencias Químicas. Universidad Complutense de Madrid. 28040-Madrid (España). Tel.:34-1-394 43 39. Fax: 34-1-394 43 57. E-mails: IBS99@eucmax.sim.ucm.es - IBS99@trasto.cbm.uam.es.
21-25 jun.	Udine (Italia)	<b>Rolling Contact Phenomena.</b> Advanced school. Academic year 1999. The Parkus session. Centro Internazionale di Scienze Meccaniche. Palazzo del Torso - Piazza Garibaldi, 18. 33100 Udine (Italia). Tel.: +39 043 22 48 511. Fax: +39 043 22 48 550. E-mail: cis@uniud.it. <a href="http://www.uniud.it/cism/homepage.htm">http://www.uniud.it/cism/homepage.htm</a>
21-25 jun.	Teddington- Middlesex (Reino Unido)	<b>Frontiers of Science and Measurement. A unique international Forum for 1999.</b> NPL- Naciona Physical Laboratory. Conference management: Jane Sakalou & Jan Waldus. NPL Queens Road. Teddington Middlesex. TW11 0LW. Reino Unido. Tel.: 44 181-943 6400. Fax: 44 181-943 6735. E-mail: jane.tsakalou@npl.co.uk
5-9 jul	Udine (Italia)	<b>Deployable structures. Advanced school. Academic Year 1999. The Parkus Session.</b> Centro Internazionale di Scienze Meccaniche. Palazzo del Torso - Piazza Garibaldi, 18. 33100 Udine (Italia). Tel.: +39 043 22 48 511. Fax: +39 043 22 48 550. E-mail: cis@uniud.it. <a href="http://www.uniud.it/cism/homepage.htm">http://www.uniud.it/cism/homepage.htm</a>
13-16 jul.	Tsukuba (Japón)	<b>RECRYSTALLIZATION'99. 4th International Conference on Recrystallization and Related Phenomena.</b> Tsukuba Science City (Japón). Secretaría: Prof. T. Sakai, Department of Mechanical and Control Engineering, The University of Electro-Communications, Chofu, Tokyo 182 (Japón). Tel.: +81 424 83 2161. Fax: +81 424 84 3327. E-mail: rex99@mce.uec.ac.jp
22-25 ago.	Québec (Canadá)	<b>38th Conference of Metallurgist &amp; 29th Annual Hydrometallurgical Meeting of CIM.</b> Quebec Hilton Hotel, Quebec City, (Canadá) Secretaría: Louisa Davis, Metallurgical Society of CIM, 3400 Maisonneuve Blvd. West. Suite 1210, Montreal, Quebec, Canadá H3Z3B8. Tel.: 514 939 2710 ext 317. Fax: 514 939 2714. E-mail: metsoc@cim.org

23-25 ago.	Lappeenranta (Finlandia)	<b>7th NOLAMP Conference. 7th Nordic Conference in Laser Processing of Materials.</b> Secretaría: Lappeenranta University of Technology. Centre for Training and Development. Ms. Riitta Heiskanen. P.O. Box 20. FIN 53851 Lappeenranta (Finlandia). Fax: +358 5 624 3920. E-mail: riitta.heiskanen@lut.fi.
25-27 ago.	Lappeenranta (Finlandia)	<b>Welding Conference LUT Join '99. International Conference on Efficient Welding in Industrial Applications (ICEWIA).</b> Secretaría: Lappeenranta University of Technology. Centre for Training and Development. Join '99 Conference. Ms. Riitta Heiskanen. P.O. Box 20. FIN 53851 Lappeenranta (Finlandia). E-mail: riitta.heiskanen@lut.fi
6-9 sept.	Berlin (Alemania)	<b>6th Biennial Worldwide Congress. UNITECR '99 -Unified International Technical Conference on Refractories-</b> Congress Organisation. Bundesalle 56. 10715 Berlin (Alemania). Tel.: ++49/228 85 79 03-0. Fax: ++49/30 85 79 03-26. E-mail: der@der-congress.de.
13-17 sept.	Udine (Italia)	<b>Material instabilities in elastic and plastic solids. Advanced school. Academic year 1999.</b> The Koiter session. Centro Internazionale di Scienze Meccaniche. Palazzo del Torso - Piazza Garibaldi, 18. 33100 Udine (Italia). Tel.: +39 043 22 48 511. Fax: +39 043 22 48 550. E-mail: cis@uniud.it. <a href="http://www.uniud.it/cism/homepage.htm">http://www.uniud.it/cism/homepage.htm</a>
20-22 sept.	Cambridge (Reino Unido)	<b>4th International Conference on Microscopy of Oxidation.</b> Diane Mattu. Materials Science and Engineering. University of Liverpool. Liverpool L69 3BX (Reino Unido). Telf. +44(0)151 794 5390. Fax: +44(0)151 794 4675. E-mail: mattu@liv.ac.uk.
22-24 sept.	Falmouth, (Inglaterra)	<b>Minerals Engineering '99. 9th Annual Minerals Engineering Conference.</b> Dr. Barry A. Wills. Cornwall CSMA Minerals Ltd. Trevenson Site. Redruth. Cornwall. TR15 3SE (Reino Unido). Telf. y fax: +44 (0) 1326 31 83 52. E-mail: min.eng@netmatters.co.uk.
26 sept. - 1 oct.	Cape Town (Africa del Sur)	<b>14th International Corrosion Congress. Cooperation in Corrosion Control.</b> Allan Cooper and Michael Mayer. Lead Development Association International. 42 Weymouth Street. London W1N 3LQ (Reino Unido). Telf.: +44 (0) 171 499 8422. Fax: +44 (0) 171 493 1555. E-mail: 6elbc@ldaint.org.
Octubre, (sin determinar el día)	Montevideo (Uruguay)	<b>CON-PAT '99. V Congreso iberoamericano de patología de las construcciones. Asociación Internacional de Control de Calidad, Patología y Recuperación de la Construcción.</b> Secretaría del Congreso: Av. Julio Herrera y Reissig, 565 - CP 11300. Instituto de Ensayo de Materiales Fac. de Ingeniería. Casilla de correo núm. 12218. Local núm. 4. Tel.: 598 2 711 0744. Fax: 598 2 711 7435. E-mail: conpat99@fing.edu.uy
5-7 oct.	Montréal (Canadá)	<b>Conférence Internationale. Sécurité des systèmes industriels automatisés. IRSST, 1999 Conference.</b> 505 de Maisonneuve Blvd. West. Montréal, Québec H3A 3C2 (Canadá). Telf.: 1 (514) 288-1551. Fax: 1 (514) 288-7636. E-mail: conference.1999@irsst.qc.ca. Internet: <a href="http://www.irsst.qc.ca/conference">http://www.irsst.qc.ca/conference</a>
18-23 oct.	Düsseldorf (Alemania)	<b>ISA Tech Conference Unites with INTERKAMA '99.</b> ISA. 67 Alexander Drive. Research Triangle Park. NC 27709. Telf.: (919) 549-8411. Fax: (919) 549-8288. Internet: <a href="http://www.isa.org">www.isa.org</a> . INTERKAMA Secretariat: Stockumer Kirchstrasse 61, D-40474. Düsseldorf (Alemania). Telf.: 0049-211-4560-667. Fax: 0049-211-4560-668.
2-5 nov.	Buenos Aires (Argentina)	<b>12° Seminario de Acería del IAS y 2° Encuentro de la Sección Argentina de la Iron and Steel Society.</b> Contacto: Jorge Madias. Tel.: 54 461 60257. Fax: 54 461 62989. E-mail: madias.ias@cablenet.com.ar.
2-5 nov.	San José (Costa Rica)	<b>CAIP '99. 4° Congreso interamericano de computación aplicada a la industria de procesos.</b> Organiza: Universidad de Costa Rica. Escuela de Ingeniería Química. Secretaría: 4° Congreso interamericano CAIP' 99. Esc. de Ingeniería Química. Universidad de Costa Rica. Ciudad Universitaria "Rodrigo Facio". San Pedro (Costa Rica). Fax: (506) 225 5622 - (506) 224 4225. E-mail: grojas@perry.eiq.ucr.ac.cr

## CALENDARIO DE FERIAS Y EXPOSICIONES

1999		
9-10 feb.	Cairo (Egipto)	<b>The Middle East Coatings Show 1999.</b> Cairo International Conference Centre. Más información: Sanchia Shilliday. Marketing Dpt. DMG Business Media Ltd. Queensway. Redhill, Surrey, RH1 1QS (Inglaterra). Tel.: +44(0)1737 768 611. Fax: 44(0)1737 855 474. E-mail: tickets@dmg.co.uk
12-17 feb.	Nueva Delhi (India)	<b>Weld India International'99.</b> Pragati Maidan, Nueva Delhi (India). Organiza: Confederation of India Industry, Gate nº 31, Jawaharlal Nehru Stadium, Lodi Road, New Delhi - 110003 (India). Tel.: 0091-11-4626225/73/76/81/82. Fax: 0091-11-4626271. E-mail: tradecil@sdalt.ernet.in Internet: <a href="http://www.indianindustry.com">http://www.indianindustry.com</a>
24-25 mar.	Manila (Filipinas)	<b>The Asia Pacific Coatings Show 1999.</b> The World Trade Centre in Manila (Islas Filipinas). Más información: dmg Business Media Ltd. 2 Queensway House. Redhill. Surrey RH1 1QS (Inglaterra). Tel.: +44(0)1737 768 611. Fax: +44(0)1737 855 475. E-mail: tickets@dmg.co.uk
5-12 may.	Paris (Francia)	<b>EMO Paris 99.</b> The World of machine tools. Commissariat général: symap. Maison de la mécanique. 45, rue Louis Blanc. FR-92038. Paris-La Défense cedex. Tel.: +33 1 47 17 68 68. Fax: +33 1 47 17 67 12. E-mail: commi.gene@emo.paris.com.
31 may.- 4 jun.	Paris (Francia)	<b>Europlast 99.</b> Europlast - Miller Freeman. 70, rue Rivay. 92532-Levallois-Perret Cedex. Tel.: 01 47 56 21 80. Fax: 01 47 56 21 40.
9-15 jun.	Düsseldorf (Alemania)	<b>GEOSPECTRA 99.</b> Feria Monográfica Internacional de Geotecnología y Geociencias Aplicadas. <b>GIFA.</b> Feria Internacional de Fundición. <b>METEC.</b> Feria Internacional de Metalurgia. <b>THERMPROCESS.</b> Feria Internacional de Hornos Industriales. <b>MINETIME.</b> Feria Mundial de Tecnología Minera. Messe Düsseldorf. Postfach 10 10 06. D-40001 Düsseldorf (Alemania). Tlf.: +49 (0) 211/45 60 01. Fax: +49 (0) 211/45 60 6 68.
25-26 ago.	México, D.F. (México)	<b>The Latin American Coatings Show 1999.</b> The Sheraton María Isabel, México, D.F. (México) Más información: dmg Business Media Ltd. 2 Queensway House. Redhill. Surrey RH1 1QS (Inglaterra). Tel.: +44(0)1737 768 611. Fax: +44(0)1737 855 475. E-mail: tickets@dmg.co.uk
8-9 sep.	Taipei (Taiwan)	<b>The Taiwan International Coatings Show 1999.</b> The Lai Lai Sheraton Hotel. Taipei (Taiwan). Más información: dmg Business Media Ltd. 2 Queensway House. Redhill. Surrey RH1 1QS (Inglaterra). Tel.: +44(0)1737 768 611. Fax: +44(0)1737 855 475. E-mail: tickets@dmg.co.uk
29 sep.- 2 oct.	Bilbao (España)	<b>CUMBRE INDUSTRIAL BILBAO '99. - SIDEROMETALÚRGICA '99</b> -Feria internacional monográfica de la industria siderometalúrgica-. <b>SUBCONTRATACIÓN '99</b> -Feria de la subcontratación y de la cooperación interempresarial-. <b>TRASMET '99</b> -Feria internacional de equipos y suministros para fundición, forja, laminación y tratamiento de superficies-. <b>SOLDADURA '99</b> -Feria internacional de la soldadura-. Feria Internacional de Bilbao. Apto. 468. 48080-Bilbao (España). Tel.: (34) 94 428 54 00. Fax: (34) 94 442 42 22. <a href="http://www.feriaint-bilbao.es">www.feriaint-bilbao.es</a>
19-21 oct.	Singapore (Singapur)	<b>Essen Welding Asia.</b> Messe Essen GmbH. Messehaus Ost Norbertstrasse. Postfach 100165. D-45001 Essen (Alemania). Tlf.: +49 (0) 201 7244 243. Internet: <a href="http://www.messe-essen.de">http://www.messe-essen.de</a> .
20-22 oct.	Bilbao (España)	<b>66º Congreso de la Unión de Ferias Internacionales.</b> La UFI está integrada por 171 miembros que representan a 144 ciudades de 67 países, teniendo como misión principal la de representar a la industria de ferias y salones internacionales en todo el mundo.
26-27 oct.	Milano (Italia)	<b>Resins and Pigments 99 Exhibition.</b> The Fiera Milano. Milano (Italia). Más información: DMG Business Media Ltd. 2 Queensway House. Redhill. Surrey RH1 1QS (Inglaterra). Tel.: +44(0)1737 768 611. Fax: +44(0)1737 855 475. E-mail: tickets@dmg.co.uk
24-25 nov.	Midrand Johannesburg (África del Sur)	<b>Africa International Coatings Show 99.</b> The Gallagher Estate. Midrand. Johannesburg (África del Sur). Más información: DMG Business Media Ltd. 2 Queensway House. Redhill. Surrey RH1 1QS (Inglaterra). Tel.: +44(0)1737 768 611. Fax: +44(0)1737 855 475. E-mail: tickets@dmg.co.uk