

IBERSENSOR 2008 Program: Oral Presentations - TUESDAY

Tuesday 10:45 – 12:05	Session I Biosensors I	10:45-11:05	IB08-009	Real-time SPR biosensing for early clinical diagnostics J. Treviño, L.G. Carrascosa, A. Calle and L.M. Lechuqa. CSIC/CIBER/CNM, Spain
		11:05-11:25	IB08-012	Avaliação eletroanalítica do uso de CDs na construção de eletrodos modificados com DNA: Detecção de vírus da hepatite C em amostras soropositivas P. R. B. de Oliveira Marques, A. Lermo, S. Alegret, M. I. Pividori e H. Yamanaka, UNESP/UAB, Brazil-Spain
		11:25-11:45	IB08-030	Propuesta de un protocolo de Calibración de un Medidor de Flujo Sanguíneo con Phantom de Flujo Sanguíneo C. Toledo, L. Leija y A. Vera, CIEA-IPN, Mexico
		11:45-12:05	IB08-115	Análisis de la Respuesta Espectral en la Medición de la Turbulencia causada en el Flujo Sanguíneo por la presencia de Estenosis en Vasos J. Solano, F. García, M. Vázquez, I. Sánchez, M. Fuentes y E. Rubio, UNAM, Mexico
	Session II Environmental Ap.	10:45-11:05	IB08-025	Microfabricated Biosensors for the Determination of Biochemical Oxygen Demand (BOD) in Water Weinstock A.; Ybarra G. ; Bonetto, M.; Cortón E., Fraigi, L.; Moína. C, INTI/UBA-CONICET, Argentina.
		11:05-11:25	IB08-143	Monolithic LTCC Based Photometric Microflow analyzer for the Automatic Determination of Phosphate Ion Using the multicommutation aproach Z.M. Da Rocha, C.S Martinez-Cisneros, M.A.C. Ferreira, N. Ibáñez-García, A.C. Seabra, J. Alonso, USP/UAB, Barzil-Spain
		11:25-11:45	IB08-144	LTCC-Based Micro Total Analysis System for Amperometric Detection C.S. Martinez-Cisneros, Z.M. da Rocha, F. Valdés, M.R. Gongora-Rubio, A.C. Seabra and J. Alonso, USP/UAB, Brazil-Spain
		11:45-12:05	IB08-148	Sensor De Oxigênio Dissolvido Óptico Utilizando A Técnica Sol-Gel Sobre Ltcc M.A.C. Ferreira, Z.M. Da Rocha, A.C. Seabra, USP, Brazil
	Session III Nanosensors I	10:45-11:05	IB08-127	Modelaje y simulación de un biosensor para detección bioquímica extra/intracelular Rodriguez E. Juan Sebastián, AVILA B. Alba G., Reyes R. Diego F., CMUA, Colombia
		11:05-11:25	IB08-083	Catalytic effect of nanostructured carbon forms for biosensor applications Briza Pérez López, Maria Guix, Salvador Alegret, Arben Merkoçi, UAB, Spain
		11:25-11:45	IB08-092	Ultramicroelectrode Arrays (Umas) Based On Carbon Nanotube As Amperometric (Bio)Sensor Transducers M. Pacios, M. Del Valle, M.J. Esplandiu, UAB/UB, Spain
		11:45-12:05	IB08-133	Single-Wall Carbon Nanotube/Poly(p-naphthaleneethynylene) Composites as Electrode Materials for Supercapacitor Applications M. R. R-Canales, P. Deria, M. J. Therien, P. Gopu, J. Sotero, J J. S.-Avilés , UP/DU/UPR, USA
Tuesday 14:00 – 15:20	Session IV Biosensors II	14:00-14:20	IB08-022	Electrochemical Biosensors for the determination of antioxidant capacity M. Cortina, C. Calas-Blanchard, J.-L. Marty, BIOMEM/UP, France
		14:20-14:40	IB08-027	Impedance Characterization and Modeling of Microelectrodes for Neural Recording Marcelo Bariatto Andrade Fontes, IMEC, Belgium
		14:40-15:00	IB08-031	Sensing bioelectric signals with concave electrodes: II. Experimental and analytical approaches to electrode design R Suarez Antola, UCU, Uruguay
		15:00-15:20	IB08-125	Integration of flexible sensors applied to manipulation of electrical actuators Vázquez Rueda L. A., Flores García Francisco, UTT/ITL, Mexico
	Session V Nanosensors II	14:00-14:20	IB08-002	Biosensing Based On Slow Plasmon Nanocavities B. Sepulveda, Y. Alaverdyan, M. Käll, UAB/CUTO, Spain-Sweden
		14:20-14:40	IB08-005	Silicon based-photonic biosensors: sensitive, label-free and real-time diagnostic platforms K. E. Zinoviev, B. Sepúlveda, L.G. Carrascosa, C. Dominguez, L.M. Lechuqa, IMB/CSIC/NRC, Spain
		14:40-15:00	IB08-024	Gold nanoparticle-modified ultramicroelectrode arrays for environmental applications Jahir Orozco , César Fernández-Sánchez and Cecilia Jiménez-Jorquera, CNM, Spain
		15:00-15:20	IB08-141	Novel microfluidic devices based on the LTCC technology for the synthesis of metal nanoparticles Sara Gómez-de Pedro, Mar Puyol, Julián Alonso, UAB, Spain
	Session VI LTCC Devices	14:00-14:20	IB08-018	Coil design for a low-loss inductive proximity sensor in LTCC T. Geiling, H. B. de Torres, R. Perrone, J. Müller, M. Hoffmann, IMN, Germany
		14:20-14:40	IB08-074	Development of a Microsystem for Plasma Generation R. K. Yamamoto; R. S. Pessoa; M. R. Gongora-Rubio; Homero S. Maciel, FATEC/USP/ITA/IPT, Brazil
		14:40-15:00	IB08-091	Desenvolvimento De Um Microtrocador De Calor Com Multicanais Retangulares Para Gases Em Contracorrente E. Vásquez-Alvarez; F. T. Degasperí, M.R. Gongora-Rubio e R. Giudici, USP/FATEC/IPT, Brazil
		15:00-15:20	IB08-135	LTCC Microfluidic Device For Buffer Solutions Generation M.R. da Cunha, M. R. Gongora Rubio, I. D. Alvim, M. I. Rê, IPT, Brazil

IBERSENSOR 2008 Program: Oral Presentations - WEDNESDAY

Wednesday 10:45 – 12:05	Session VII Optical Sensors	10:45-11:05	IB08-013	Fully Integrated UV to NIR Silicon Sensor and Conditioning Amplifier in CMOS Technology M.A-Mijares, J. A. Díaz, J. M. Rocha, J. Pedraza, R. C. Ramos, X. Formatje, C. Dominguez, D. Berman, CNM/US, Spain-Mexico
		11:05-11:25	IB08-015	Biosensor por fluorescencia integrado con un filtro espectral. V.J. Cadarso, C. Fernández-Sánchez, A. Llobera, C. Domínguez., IMB/CSIC, Spain
		11:25-11:45	IB08-020	Optical Wavelength-division multiplexing/demultiplexing devices M. Vieira, P. Louro, M A Vieira, A. Fantoni, M. Fernandes, M. Barata, ISEL/UNINOVA, Portugal
		11:45-12:05	IB08-118	Fabricación De Un Microactuador Electrotérmo-Mecánico Para La Manipulación De Fibras Ópticas J.M. Castelblanco, S. Lopera, J.C. Gaviria, R.A. Betancur, UM-M, Colombia
	Session VIII Chemical Sensors	10:45-11:05	IB08-048	Biosensores amperométricos basados en polifenoloxidasas para la determinación de la capacidad antioxidante en extractos de uvas Ibarra E. P., R. Silva M. T., Calas-Blanchard C., Marty J. L., UAMI/UP, Mexico-France
		11:05-11:25	IB08-093	Photocurrent Chemical Image Response of MOS Gas Sensor as a Nose System M. S. Braga, K. R. Maciel de Matos, F. J. Ramirez Fernandez, D. S. Santos, W. J. Salcedo, USP, Brazil
		11:25-11:45	IB08-109	Aplicación de una Lengua Electrónica Voltamétrica para Clasificación de Vinos y Estudio de Correlación con la Caracterización Química y Sensorial Á. A. Arrieta, M. L. Rodríguez-Méndez, J. A. De Saja, UPBM/UV, Colombia-Spain
		11:45-12:05	IB08-065	Biosensor de Glucosa basado en electrodo de acero inoxidable electrodepositado con Oxido de Iridio y Glucosa Oxidasa C. C. M. Martinez, R. E. Madrid, C. J. Felice, CONICET, Argentina
		12:05-12:25	IB08-033	Desarrollo de Inmunosensores y de Biosensores Enzimáticos para Aplicaciones Agroalimentarias A. Montoya, J. J. Manclús, J. Sáiz, A. Arnau, Y. Jiménez, C. March, UPV, Spain
Wednesday 14:00 – 15:00	Session XI Sensor Applications I	14:00-14:20	IB08-046	Tunable Full-Field Hollow And Hybrid Sol-Gel Photonic MicroTAS V. J. Cadarso, C. Fernández-Sánchez, A. Llobera, M. Darder and C. Domínguez, IMB/ICMM-CSIC, Spain
		14:20-14:40	IB08-016	Medición Del Potencial De Difusión Vde(T) Atravéz De La Capacidad Neutral Cn Alicia Polanco y Agnes Nagy, CIM, Cuba
		14:40-15:00	IB08-062	Silicon Microtips Sharpening Method for Field Emission Applications M. O.S. Dantas, E. Galeazzo, H. E. M. Peres, F. J. Ramirez-Fernandez, USP, Brazil
	Session X Sensor Applications II	14:00-14:20	IB08-098	System on chip for portable cooking oil quality determination K. A. S. S. Lustosa, A. M. P. Santos, E. J. P. Santos, UFPE, Brazil
		14:20-14:40	IB08-131	Monitoring biofilm growth in several materials with an acoustic wave sensor O. Gonçalves, J. Barrios, S. L. Marçal, M. Peres, M. T. S. R.Gomes, UA, Portugal
		14:40-15:00	IB08-041	Design and construction of ultrasonic Doppler transducers for blood flow measurement using Finite Element Analysis I. Sánchez, H. Faustmann, P. Acevedo, M. Fuentes, UNAM/UAS, Mexico-Germany

IBERSENSOR 2008 Program: Poster Presentations - TUESDAY, 15:50h – 18:00h

Agroindustrial and food industry applications (7)

IB08-021	Determination of antioxidant capacity with a simple electrochemical method Y. Wang, C. Blanchard-Calas, B. Liu And J-L. Marty (France)
IB08-037	New Electrochemical Magneto Immunosensing And Genosensing Strategies For Food Safety A. Lermo, S. Campoy, J. Barbé, S. Alegret, M.I. Pividori (Spain)
IB08-055	Caracterización de la enzima lacasa en biocompositos para la determinación del índice de polifenoles en vino Silvia Gómez, Manel Del Valle, Salvador Alegret, Isabel Pividori (Spain)
IB08-056	Quality detection in Indian honey using sensor array Rohini P. Mudhalwadkar, Ashok A. Ghatol (India)
IB08-068	Desarrollo de un biosensor electroquímico de lectura directa de hibridaciones de AND J. B. Cotero-Ochoa, A. Cortez-Ibarra, C. A. Sánchez-Martínez, E. Martínez-Guerrero, E. J. Herrera-López, E. Flores-Berrios (Mexico)
IB08-097	Water analysis using an electronic tongue system combined with Fuzzy logic G.S. Braga, L.G. Paterno, F.J.Fonseca (Brazil)
IB08-129	Detección electroquímica del crecimiento de Escherichia coli en leche cruda con sensores basados en electrodos planos de platino Houari Cobas Gómez, Alian Mesa Gila, Sonnia Pavoni Oliver, Rolando Contreras, Ángela Zayas, Estrella Álvarez (Cuba)Cuba

Environmental Applications (12)

IB08-017	Development of a portable water quality analyzer G.Comina, M.Nissfolk, J.L.Solis, (Perú)
IB08-026	Desenvolvimento De Sensores De Metais Pesados De Baixo Custo Leandro Rodrigues Dias, Clayton Vieira Sales, Marcelo Bariatto Andrade Fontes (Brazil)
IB08-029	Real Time Water Specific Heat Capacity Measurement System for Environmental Applications Sandro Vasconcelos, Cyro Ketzer Saul (Brazil)
IB08-034	Desarrollo De Un Pseudo-Electrodo De Referencia De Ag/Agcl Integrado En Un Microsensor De Silicio Fernando Luis de Almeida, Isabel Burdallo, Marcelo Bariatto Andrade Fontes y Cecilia Jimenez (Brazil)
IB08-038	Voltammetric detection of Cu (II) in soil extract samples using modified ultramicroelectrode arrays Jahir Orozco, César Fernández-Sánchez, Julián Alonso, Eva Arasa, Francisco Valdés and Cecilia Jiménez-Jorquera (Spain)
IB08-042	Microbial-Based Electrochemical Bioassay For Water-Quality Analysis. One Step Towards A Disposable Biosensor System. Bonetto, M.; Weinstock, A.; Fraigi, L.; Sacco, N.; Cortón, E. (Argentina)
IB08-054	Relative Humidity Sensor Based on Rough Polysilicon Thin Films and Interdigitated Out-of-Plane Electrodes Structure P. Zambrozi Jr. and F. Fruett (Brazil)
IB08-057	Inmunoensayos De Residuos Farmacológicos En Muestras Ambientales. Perspectivas En Inmunosensores Electroquímicos S. Fabiano, A. Lermo, S. Hernández, S. Kergaravat, M.-P Marco, R. Galve, S. Alegret, M. I. Pividori (Argentina)
IB08-082	Voltammetric screen-printed sensors for lead detection in sea water Gemma Aragay, Anna Puig-Font, Arben Merkoçi (Spain)
IB08-113	Nanopowders of tin oxide doped with rare earths for application as gas sensing material for fuel qualification Pilar Hidalgo, Henrique E. M. Peres, F. J. Ramirez-Fernandez (Brazil)
IB08-120	Generación de electricidad en una celda de combustible microbiana mediada utilizando microánodos descartables Sacco, Natalia; Bonetto, Maria Celina y Cortón, Eduardo. (Argentina)
IB08-123	Instrumentación aplicada al monitoreo de variables climáticas. Jáuregui García José Miguel, González Cervantes Guillermo, Flores García Francisco (Mexico)

Biological And Biomedical Applications (15)

IB08-004	Manipulación De Protozoos Por Ultrasonido Flavio Humberto Fernández Morales, Julio Enrique Duarte (Colombia)
IB08-010	CDtrodo de ouro modificado com SAM de 4-(metilmercapto)benzaldeído no desenvolvimento de imunossensor M. V. Foguel, H. Yamanaka, A. V. Benedetti, A. A. P. Ferreira (Brazil)
IB08-011	Modificação e caracterização de SPE com SAMs de cistamina e glutaraldeído para imobilização da proteína Tc85 de T. cruzi A. A. P. Ferreira, H. Yamanaka, A. V. Benedetti (Brazil)
IB08-014	Development of Polystyrene (PS) micro-spheres for biological sensors applications Elis Moura Stori, Cesar Liberato Petzhold, Eduardo de Oliveira da Silva and Cyro Ketzer Saul (Brazil)
IB08-035	Evaluación de actividad de <i>Streptomyces</i> sp. M7 adheridas a un soporte sólido M.L. López Rodriguez, C.E. Giacomelli, C.J. Felice y R. Madrid (Argentina)
IB08-036	Campo Acústico De Transductores De Difracción Controlada. Alina Aulet, José Antonio Eiras y Carlos Negreira (Uruguay)
IB08-040	Prototipo De Estimulación Eléctrica Para El Tratamiento Neurológico De Un Modelo Animal En Coma J. Alcántara C., Callupe R. (Peru)
IB08-053	Amperometric electronic tongue applied to coffee classification. A. Durán, A. Gutiérrez, J. A. Rodríguez, M. del Valle (Cuba)
IB08-073	Impedimetric Detection of DNA Hybridization using Carbon Nanotubes as Sensing Platform A. Bonanni, M.J. Esplandiu, S. Alegret, M. del Valle (Spain)
IB08-078	Screen-printed electrochemical biosensors based on magnetic core-shell nanoparticles Longinotti, G.; Lloret, P.; Ybarra, G.; Moina, C.; Hermida, L., Milano, O.; Roberti, M.; Malatto, L; Fraigi, L (Argentina)
IB08-096	Genossensor eletroquímico para câncer de próstata baseado em matriz de poli(3-aminofenol) Diego L. Franco, Adriana F. Neves, Luiz R. Goulart Filho, Ana G. Brito-Madurro, João M. Madurro (Brazil)
IB08-121	Diseño de un sistema de adquisición de datos ultrasónicos orientado a aplicaciones biomédicas D. Santos, R. Lavarello, B. Castañeda (Peru)
IB08-136	Recognition of brain activity in EEG Christian Humberto Flores Vega, Haroldo Higuibu, Antônio Carlos Bastos de Godoi, Francisco Javier Ramirez Fernández (Brazil)
IB08-142	LTCC microsystem incorporating a microcolumn with immobilized β-galactosidase for enzymatic spectrophotometric assays Vitor Ribeiro, Carmen López, Gregorio Álvaro, Mireia Baeza, Josep López-Santín and Julián Alonso (Spain)

Nanosensors (6)

IB08-007	New strategies for the biofunctionalisation of carbon nanotubes Ana Belén González-Guerrero, Ernest Mendoza, Eva Pellicer and Laura M. Lechuga (Spain)
IB08-008	Sensitivity enhancement of MagnetoOptical Surface Plasmon Resonance Biosensor (MOSPR) D. Regatos, A. Calle, D. Fariña, A. Cebollada, G. Armelles, B. Sepúlveda and L. M. Lechuga (Spain)
IB08-045	H2 Sensor with nanocrystalline SnO2 and an innovative Heater and Measurement Device L. T. Alaniz, C. L. Arrieta, M. F. Bianchetti, C. A. Gillari, J. F. Giménez, H. A. Lacomí, D. F. Valerio, N. E. Walsøe de Reça (Argentina)
IB08-058	Electrochemical Biosensing In Food For Pathogenic Bacteria Based On Magnetic Nanostructured Transducers Susana Liébana, Anabel Lermo, Susana Campoy, Pilar Cortés, Jordi Barbé, Salvador Alegret, Isabel Pividori (Spain)
IB08-075	Gas sensors based on multi wall carbon nanotubes decorated with different metal oxides nanoparticles A. Abbaspourrad, C. Verissimo, R.V. Gelamo, M. M. da Silva, A. R. Vaz, B. S. A. Moshkalev (Brazil)
IB08-145	Composites based on near-percolation composition: Improvement of the electrochemical response Rosa Olivé-Monllau, Maria Jose Esplandiu, Jordi Bartrolí, Mireia Baeza, and Francisco Céspedes (Spain)

Chemical Sensors (10)

IB08-028	Resolution Of Heavy Metal Mixtures From Highly Overlapped Asv Voltammograms Employing A Wavelet Neural Network Juan Manuel Gutiérrez, Laura Moreno-Barón, Francisco Céspedes, Roberto Muñoz, Manel Del Valle (Spain)
IB08-049	Construcción Y Evaluación De Un Sensor Químico Con La 1-Benzoil-3,3-Dietiltiourea Y Su Aplicación ... Ana R. L. Fraga, Aimee V. Pacheco, Juan J. Chacón, Alicia D. García, Ana M. Plutín Stívens, Marcia B. Sánchez (Cuba)
IB08-087	Effect of material morphology on the response of NO₂ sensor based on ZnO thin film: experiment and theory R. Ferro, J.A. Rodríguez (Cuba)
IB08-088	Simulación eléctrica del comportamiento del ISFET Víctor Prado, Carlos Silva (Perú)
IB08-089	Conducting polymers as scent sensors J. P. H. Lima and A. M. de Andrade (Brazil)
IB08-102	Caracterização de Pseudoeletrodos de Pt, Ag e Au como Referência na Medição de pH Utilizando ISFETs Robson Scaff, Sebastião Gomes dos Santos Filho e Marcelo Bariatto Andrade Fontes (Brazil)
IB08-122	Study of Poly(o-ethoxyaniline)/Poly(2,4 ethylenedioxythiophene) thin film as ethanol vapor sensor S. T. R. Ozaki, L. G. Paterno and F. J. Fonseca (Brazil)
IB08-126	Desarrollo De Un Microsensor Tipo Chemfet Para La Determinacion De Nitratos En Aguas A. Puente-Santiago, O. Arias-de Fuentes, M. Arada, A. Lastres, E. Valdés y C. Jiménez (Cuba)
IB08-146	Determinação Da Constante Cinética Da Lectina Km+ Pelo Ligante Peroxidase Por Meio Da Técnica De Microbalança... Pesquero, N.C., Pedroso, M. M., Bueno, P. R., Roque-Barreira, M. C., Faria, R. C. (Brazil)
IB08-147	Evaluation of air coupling ultrasonic transducers for surface roughness measurement N. Pérez, C. Negreira, F. Montero de Espinosa (Uruguay)

IBERSENSOR 2008 Program: Poster Presentations - WEDNESDAY, 15:30h – 17:30h

Instrumentation, Signal Processing and Communications (23)

IB08-006	A biosensing platform based on a bimodal waveguide transducer K. E. Zinoviev, C. Domínguez, and L. M. Lechuga (Spain)
IB08-050	Water Waves Measurement Instrument with Conductance Compensation Wagner M. Rossini, Carlos A. Guedes Freire de Souza, Kazuo Nishimoto, Jose Jaime da Cruz & Mário Ricardo Gongora-Rubio (Brazil)
IB08-052	Nueva interfaz cuasi-digital para sensor de gas basada en el circuito convertidor generalizado de impedancia. A. Durán, J. Sánchez, E. Navarro, S. Casans, J. A. Rodríguez, D. Ramírez (Cuba)
IB08-064	Detecção e Localização de Efeito Corona através de técnicas de Radio Localização. José Kleber da Cunha Pinto, Marcos Aurélio Luqueze, Luiz Fernando Justo (Brazil)
IB08-067	Nuevo Sistema Basado En Un Microcontrolador Psoc Para La Caracterizacion De Microsensores A. Blanco-Rodríguez, L. Velazco-Molina, O. Arias-de Fuentes y A. Durán-Carrillo (Cuba_)
IB08-069	Red de sensores Inteligente via Ethernet aplicada a la caracterización de sensores ISFET. Silvia Casans, A. Edith Navarro, Diego Ramirez, Jaime Sánchez, Alejandro Durán. (Spain)
IB08-070	Instrumento de Medida Inteligente aplicado a la investigación en sensores ISFET. Silvia Casans, A. Edith Navarro, Lamia Bouchou, Diego Ramirez, Jaime Sánchez, Alejandro Durán. (Spain)
IB08-071	Multi ISFET-metro Virtual usando PIC y PC Enrique E. Valdés Zaldivar , Marcos Machado Monserrat , Giselle Acosta Cabrera, Carlos Domínguez Horna (Cuba)
IB08-072	Método de Linealización dinámica para un acondicionador de temperatura/tiempo utilizando termistores E. Castro Montero, A.L. Salazar Mustelier, D. Ramírez Muñoz , J. Sánchez Moreno (Spain)
IB08-081	Uso de Redes Neuras Artificiais na Descoberta de Conhecimento a partir de Dados e Imagens de Sensores Clodis Boscaroli, Leandro Augusto da Silva, Emilio Del Moral Hernandez (Brazil)
IB08-095	Evaluation of Gasoline Adulteration Using an Interdigitated Microsensor Lucas Gonçalves Dias Mendonça, Delson Torikai, Nilton Itiro Morimoto,Ricardo Cury Ibrahim (Brazil)
IB08-100	Impact of Duplicates in Energy Consumption of Wireless Sensor Networks using the GSP protocol Maria Calle, Joseph Kabara (Colombia)
IB08-103	Influência da Autenticação de Dados Sobre o Desempenho de Redes UMTS Marcel Stefan Wagner, Wagner Luiz Zucchi (Brazil)
IB08-105	Análisis y diseño de un circuito driver basado en convertidor generalizado de impedancias para un actuador piezoeléctrico D. F. Novoa Díaz, D. Ramírez Muñoz, J. Sánchez Moreno (Spain)
IB08-111	Uma Abordagem às Camadas Físicas e de Rede das Bandas ISM 915MHz e 2.4GHz: Um Estudo de Qualidade das normas IEEE 802.15 e IEEE 802.15.4 - Padrão ZigBee ... Jorge Rodolfo Beingolea Garay, Sergio Takeo Kofuji (Brazil)
IB08-114	Using FPAA's in industrial instrumentation Alberto Delgadillo, Ricardo Pirajan (Colombia)
IB08-117	Mejora del Ancho de Banda un Sensor de Corriente eléctrica magnetorresistivo J. Sánchez Moreno , D. Ramírez Muñoz (Spain)
IB08-124	System for acquisition and analysis of images for species detection Tello Mijares Santiago, Flores García Francisco. (Mexico)
IB08-132	Língua Eletrônica: Uma Aproximação Da Curva De Calibração Utilizando Funções Desvios E Multilayer Perceptrons Itamar M. Barbosa, Emilio del Moral Hernandez , Daniel C. Boluda , Mannel del Vale (Brazil)
IB08-139	Electron multiplyong charge couple device system test to Brazilian tunable filter image Julian David Rodriguez Ramirez, Dani Guzman, Claudia Mendes de Oliveira,Francisco Javier Ramirez Fernandez (Brazil)
IB08-149	Sensor de pressão piezo-resistivo para aplicações automotivas Paulo F. Ciampa, A. C. Seabra (Brasil)

Instrumentation, Signal Processing and Communications (23) – Cntd.

IB08-150	A general purpose Wireless Sensor Network node design, based on IEEE 802.15.4 and Zigbee compliant standards, intended to experimentation, testbed, educational and commercial OEM prototypes, Edriano C. Araujo, A.C. Seabra (Brazil)
IB08-151	Design and fabrication of Diffractive Microlenses for WDM Applications Ricardo T. Catelli, A. C. Seabra (Brazil)

Materials, fabrication & packaging techniques for Microfluidics (11)

IB08-060	Fabricação de eletrodos impressos com tecnologia de filme espesso e caracterização eletroquímica Antonio Ap. Pupim Ferreira, Hideko Yamanaka, Assis V. Benedetti, Cecílio S. Fugivara, Mário Ricardo Gongora-Rubio (Brazil)
IB08-063	Fabrication Of A Sic Piezoresistive Pressure Microsensor M. A. Fraga, M. Massi (Brazil)
IB08-076	Microfluidic Systems Fabricated By Room Temperature Direct Bonding Process In 7059 Glass Substrates. J. N. Schianti, M. N. P. Carreño (Brazil)
IB08-080	Study Of Arrow Waveguide Fabrication Process For Improving Scattering Losses D. O. Carvalho, S. L. Aristizábal., K. F. Albertin, and M. I. Alayo (Brazil)
IB08-084	Mejoras en el proceso de transferencia electrónica en biosensores amperométricos enzimáticos M.L. Cortez, A.L. Cukierman, F. Battaglini (Argentina)
IB08-086	Sistema descartable de multielectrodos de oro y su aplicación en ensayos múltiples con detección de la unión antígeno –anticuerpo. Ana Sol Peinetti, Graciela Priano, Graciela A. González y Fernando Battaglini (Argentina)
IB08-104	Custom Packaging Design of Microsystem and Microelectronics Devices Milano, O.; Roberti, M.; Fraigi, L. (Argentina)
IB08-112	UV-Ozone treatment on ITO using modified high-pressure mercury vapor lamp for assembly of polymeric devices with RBPV-DODM-PPV E. R. Santos, T. E. Schuler, S. H. Wang, E.; C. Burini Junior, M. A. Yamasoe, F. J. Fonseca, E. A. T. Dirani, A. M. de Andrade (Brazil)
IB08-128	Mixing in Microfluidic Channels G. Rehder, A. Lopes and M. N. P. Carreño (Brazil)
IB08-134	Utilização De Um Laser De Co2 De Baixo Custo Para Microusinagem De Cerâmicas Verdes Ltcc Marcio Rodrigues da Cunha, Elsa Vásquez-Alvarez, Mário R. Gongora-Rubio (Brazil)
IB08-140	Evaluation Of Different Working Electrodes For Voltammetric Lead Detection In LTCC Microsystems Eva Arasa-Puig and Julián Alonso (Spain)

Optical sensors (4)

IB08-019	Voltage controlled WDM devices in the visible spectrum: A SPICE simulation M A Vieira, A. Fantoni, M. Vieira, P. Louro, M. Fernandes (Portugal)
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IB08-094	Porous Silicon Photonic Crystal for Refractometer Sensor Danilo Roque Huanca and Walter Jaimes Salcedo (Brazil)

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