

Elenco delle Pubblicazioni

- **International Journals**

- BALDINI F, BRENCI M, CHIAVAIOLI F, GIANNETTI A, TRONO C, *“OPTICAL FIBRE GRATINGS AS TOOLS FOR CHEMICAL AND BIOCHEMICAL SENSING”* Analytical and Bioanalytical Chemistry (Springer Berlin/ Heidelberg), vol. 402 (1), ISSN: 1618-2642, doi: 10.1007/s00216-011-5492-3, 2012.
- TRONO C, BALDINI F, BRENCI M, CHIAVAIOLI F, MUGNAINI M, *“FLOW CELL FOR STRAIN- AND TEMPERATURE-COMPENSATED REFRACTIVE INDEX MEASUREMENTS BY MEANS OF CASCADED OPTICAL FIBRE LONG PERIOD AND BRAGG GRATINGS”* Measurement Science & Technology (IOP Publishing), vol. 22 (7), p. 075204, ISSN: 0957-0233, doi: 10.1088/0957-0233/22/7/075204, 2011.

- **Book Chapters**

- In press CHIAVAIOLI F, MUGNAINI M, TRONO C, BALDINI F, BRENCI M *“CASCADED LPG AND FBG INTEGRATED IN A MINIATURIZED FLOW CELL FOR COMPENSATED REFRACTOMETRIC MEASUREMENT”* In: (A. D’Amico et al. Eds.) Lecture Notes in Electrical Engineering: Sensors and Microsystems: AISEM 2011 Proceedings, vol. 109, NEW YORK: SPRINGER SCIENCE+BUSINESS MEDIA, LLC 2012, ISBN: 9781461409342, doi: 10.1007/978-1-4614-0935-9_41, 2012.

- **International Conference Proceedings**

- BALDINI F, BRENCI M, CHIAVAIOLI F, GIANNETTI A, TRONO C *“OPTICAL FIBER REFRACTOMETER BASED ON A LONG PERIOD GRATING AND AN ACCURATE CROSS-SENSITIVITIES COMPENSATION SYSTEM INTEGRATED INTO A THERMO-STABILIZED FLOW CELL”* In: 4th EOS Topical Meeting on Optical Microsystems (O μ S’11). Capri (NA) – Italy, September 26 – 28 2011, paper 4555, 2011.
- TRONO C, BALDINI F, BRENCI M, CHIAVAIOLI F, FALCIAI R *“FLOW CELL WITH HYBRID LPG AND FBG OPTICAL FIBER SENSOR FOR REFRACTOMETRIC MEASUREMENTS”* In: Proceedings of 21st International Conference on

Optical Fiber Sensors. Ottawa - Canada, May 15 - 19 2011, vol. 7753, p. 775392, doi: 10.1117/12.885126, 2011.

- TRONO C, BALDINI F, BRENCI M, CHIAVAIOLI F, FALCIAI R, GIANNETTI A, MUGNAINI M *“LONG PERIOD AND FIBER BRAGG GRATINGS WRITTEN WITHIN THE SAME FIBER FOR SENSING PURPOSES”* In: Proceedings of SPIE Photonics West 2011, Integrated Optics: Devices, Materials, and Technologies XV. The Moscone Center - San Francisco, California, USA, January 22 - 27 2011, vol. 7941, p. 794112, doi: 10.1117/12.873796, 2011.
- FORT A, CHIAVAIOLI F, LOTTI C, MUGNAINI M, ROCCHI S, VIGNOLI V *“A LABORATORY IMPEDANCE METER FOR ELECTROCHEMICAL SENSORS”* In: AIP Conference Proceedings, vol. 1137, p. 303-305, doi: 10.1063/1.3156532, 2009.

- **National Conference Proceedings**

- CHIAVAIOLI F, MUGNAINI M, BALDINI F, BRENCI M, GIANNETTI A, TRONO C *“RIFRATTOMETRO IN FIBRA OTTICA BASATO SU RETICOLO A PASSO LUNGO CON SISTEMA DI AUTOCOMPENSAZIONE DELLE CROSS SENSIBILITA’”* In: Atti del XXVIII Congresso Nazionale del Gruppo Misure Elettriche ed Elettroniche. Palazzo della Borsa - Sala delle Grida - Via XX Settembre 44 – Genova (GE), 12-14 Settembre, 2011.
- TRONO C, BALDINI F, BRENCI M, CHIAVAIOLI F *“LONG PERIOD GRATING-BASED OPTICAL FIBRE SENSOR WITH INTERNAL OPTICAL FEEDBACK FOR THE RELIABLE MEASUREMENT OF REFRACTIVE INDEX IN LIQUID SAMPLES”* In: Atti del XIII Convegno Nazionale delle Tecnologie Fotoniche. Palazzo Ducale - Genova (GE), 9 - 11 Maggio, 2011.
- CHIAVAIOLI F, MUGNAINI M, BALDINI F, BRENCI M, GIANNETTI A, TRONO C *“SENSORE DI INDICE DI RIFRAZIONE IN FIBRA OTTICA BASATO SU RETICOLI A PASSO LUNGO”* In: Atti del XXVII Congresso Nazionale del Gruppo Misure Elettriche ed Elettroniche. Centro Congressi Hotel Summit - Gaeta (LT), 13 - 15 Settembre, 2010.
- FORT A, CHIAVAIOLI F, LOTTI C, MUGNAINI M, ROCCHI S, VIGNOLI V *“IMPEDENZIMETRO DA LABORATORIO PER LA CARATTERIZZAZIONE DI SENSORI ELETTROCHIMICI”* In: Atti del XXVI Congresso "GMEE" Gruppo Misure Elettriche ed Elettroniche. Salerno, 16 - 19 Settembre, 2009.

- **Book of Abstracts**

- C. Trono, F. Baldini, M. Brenci, F. Chiavaioli, R. Falciai, A. Giannetti
“Cascaded optical fibre long period and Bragg gratings for strain and temperature cross-sensitivities compensation in refractive index measurements” SPIE Optics + Optoelectronics 2011, Prague Congress Centre Prague, Czech Republic, April 18-21, 8073A-09 (Session 2), 2011.