

## **CURRICULUM VITAE**

### **Maria Konstantaki**

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Foundation for Research and Technology-Hellas (FORTH)  
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### **WORK EXPERIENCE**

**4/2017-present** Principal application scientist

Foundation for Research and Technology-Hellas (FORTH), Institute of electronic structure and Laser (IESL)

**1998 – 3/2017** Research staff

Foundation for Research and Technology-Hellas (FORTH), Institute of electronic structure and Laser (IESL)

**1994 – 1996** Marie Curie PhD research fellow

Department of Electronic and Electrical Engineering, Strathclyde University, Glasgow, UK

**1992 - 1993** Undergraduate research fellow

Foundation for Research and Technology-Hellas (FORTH), Institute of electronic structure and Laser (IESL), Laser and application division

### **EDUCATION**

**1994 - 1997** Doctoral studies

Department of Electronic and Electrical Engineering, University of Strathclyde, Glasgow, Scotland UK, *Supervisor: Prof. Brian Culshaw.*

Project: *“Simultaneous sensing of strain and temperature using optical fibres”*

**1989 - 1993** Bachelor degree

Department of Physics, University of Crete, Greece

### **CURRENT RESEARCH FOCUS**

- Design and development of optical fiber sensors with applications in gas sensing, environmental monitoring, aerospace and structural health monitoring,
- Innovative grating inscription in conventional and photonic crystal fibres,
- Combining novel nanomaterials and optical fibers for the development of high performance optical fibre sensors and devices,
- Controlled tapering of optical fibres and implementation in photonic devices,
- Experimental study of photosensitivity in optical fibers, through grating inscription in correlation with inscription source wavelength and pulse duration.

## PUBLICATIONS-CITATIONS

- **Publications:** 39 SCI publications in peer-reviewed international journals, 1 book chapter and 74 conference presentations (see ANNEX)
- **Citations:** 1348 (*Web of Science™*), 1833 (*Google Scholar*)
- **h-index:** 21, **i10-index:** 33
- **Researcher ID:** A-2412-2014

## ACHIEVEMENTS

- Expert reviewer for Science Foundation Ireland (2022)
- Editorial Board member: *Sensors* (MDPI), 2019-present
- Editor of Special Issue: "Novel Optical Fibers, Devices and Applications" in *Materials*, Multidisciplinary Digital Publishing Institute (MDPI), Switzerland, 2019
- **Optics and Photonics News**, OSA, Optics in 2018 Highlights, **M. Konstantaki**, I. Konidakis, S. Pissadakis, N. G. Boetti, D. Pugliese, E. Ceci-Ginistrelli, D. Milanese, "Bioresorbable optical fiber sensing probes", December 2018
- Our work on "Bioresorbable optical fiber Bragg gratings" *Opt. Lett.*, Volume 43, Issue 4, 671-674 (2018) was highlighted by OSA, The Optical Society with a **news release** (Feb. 2018)
- **Optics and Photonics News**, OSA, Optics in 2012 Highlights, Relief Photonic Crystal Fiber Bragg Grating Reflectors, **M. Konstantaki**, P. Childs, M. Sozzi, and S. Pissadakis, December 2012
- **Optics and Photonics News**, OSA, Optics in 2011 Highlights, Magnetically Tunable Microstructured Optical Fiber Grating Devices S.Pissadakis, A.Candiani, **M.Konstantaki**, C.Sterner, W.Margulis, December 2011
- The work on "**A photonic sensor for monitoring shear stress between human skin and artificial surfaces of limbs and wheelchairs**" has been shortlisted in the 2nd round of the Applied Research & Innovation Competition, "**Greece Innovates!**" (<http://www.kainotomeis.gr/>), organised by SEV and Eurobank
- **PATENT:** "Ice detection apparatus and method" A.Ikiades, D. Armstrong, G. Hare **M. Konstantaki**. International publication number: WO 2004/110865. Publication date: 23/12/2004
- **Marie Curie PhD research fellow** 1994-1996

## EUROPEAN PROJECTS WORK EXPERIENCE

- "PhotonHub EUROPE" Horizon 2020
- "ACceleraTing PHotonics innovAtion for SME's: a one STop-shop-incubator (ACTPHAST4.0)" Horizon 2020
- "ACceleraTing Photonics Deployment viA one STop shop Advanced Technology Access for Researchers (ACTPHAST4R)" Horizon 2020

- “Recyclable Materials Development @ Analytical Research Infrastructures- (REMADE@ARI)” Horizon 2020
- “Regional and National European Support for Photonics Innovation Clusters enhancing SMEs Innovation Potential, (RESPICESME)” H2020-ICT-2015
- “Access Center to Photonics Innovation Solutions and Technology Support” (ACTPHAST), EU funded Integrated Project
- “Quality of life” ΑΝΑΠΤΥΞΙΑΚΕΣ ΠΡΟΤΑΣΕΙΣ ΕΡΕΥΝΗΤΙΚΩΝ ΦΟΡΕΩΝ- ΚΡΗΠΙΣ- Proposals for the Development of Research Institutions, GSRT funded project
- “Action to Support Photonic Innovation Clusters in Europe ASPICE”, FP7 Coordination and support action
- "Intelligent Adaptable Surface with Optical Fiber Sensing for Pressure-Tension Relief IASIS", FP7 Research for SMEs
- "European Network of Optical Clusters ENOC", FP6 Coordination Action project,
- "Reseau Optique Mediterranee ROM" FEDDER, INTERREG project
- “Development of an ice detection system capable of measuring directly and quantitatively the thickness and type of ice on critical areas of helicopters and aircraft” Air Conformal fiber optic Ice Detection System (ACIDS), *GROWTH, G4RD-CT-2001-00612*
- “Multi wavelength laser for WDM communications” *ΠΑΒΕ 97ΒΕ221*
- Optical fiber Sensing system for Monitoring of Structures (OSMOS), *BRITE-EURAM/CRAFT, ΒΕ2 CT92 0335*

## **TEACHING EXPERIENCE**

### **2001 – 2017: Part time visiting associate professor**

Hellenic Mediterranean University (*formerly Technological Educational Institute of Crete -TEI*)

Department of Computer Engineering

Course: Optical communications (theory and laboratory)

Department of Electrical Engineering

Course: Optical fibres and Networks (theory and laboratory)

## **PERSONAL INFORMATION**

**Date of birth:** 02 /08 / 1971

**Nationality:** Greek

**Marital status:** Married, 2 Children

## ANNEX

### PUBLICATIONS IN PEER REVIEWED INTERNATIONAL JOURNALS

1. T. Chalyan, I. Magnus, **M. Konstantaki**, S. Pissadakis, Z. Diamantakis, H. Thienpont, H. Ottevaere "Benchmarking Spectroscopic Techniques Combined with Machine Learning to Study Oak Barrels for Wine Ageing" *Biosensors*. 12, 227, (2022)
2. **M. Konstantaki**, G. Violakis, G.A. Pappas, T. Geernaert, N. Korakas, N. Tiriakidis, T. Tiriakidi, K. Tiriakidis, H. Thienpont, F. Berghmans, J. Botsis and S. Pissadakis "Monitoring of Torque Induced Strain in Composite Shafts with Embedded and Surface-Mounted Optical Fiber Bragg Gratings" *Sensors*, 21, 2403 (2021).
3. **M. Konstantaki**, D. Skiani, D. Vurro, A. Cucinotta, S. Selleri, A. Secchi, S. Iannotta, S. Pissadakis, "Silk Fibroin Enabled Optical Fiber Methanol Vapor Sensor," *IEEE Photonics Technology Letters*, 32, 9, 514-517, (2020)
4. D. Pugliese, **M. Konstantaki**, I. Konidakis, E. Ceci-Ginistrelli, N. G. Boetti, D. Milanese, S. Pissadakis "Bioresorbable optical fiber Bragg gratings," *Opt. Lett.*, 43, 4, 671-674 (2018)
5. A. Candiani, **M. Konstantaki**, A. Pamvouxoglou and S. Pissadakis "A shear sensing pad, based on ferrofluidic actuation in a microstructured optical fiber" *Journal of Selected Topics in Quantum Electronics*, 23, 5600307, (2017)
6. R. Gassino, Y. Liu, **M. Konstantaki**, A. Vallan, S. Pissadakis and G. Perrone, "A Fiber Optic Probe for Tumor Laser Ablation With Integrated Temperature Measurement Capability" *Journal of Lightwave Technology*, 35, 3447-3454, (2017)
7. M. Barozzi, A. Manicardi, A. Vannucci, A. Candiani, M. Sozzi, **M. Konstantaki**, S. Pissadakis, R. Corradini, S. Selleri, and A. Cucinotta, "Optical Fiber Sensors for Label-free DNA Detection" *Journal of Lightwave Technology*, 35, 3461-3472, (2017)
8. I. Konidakis, **M. Konstantaki**, G.D. Tsibidis, S. Pissadakis, "Light driven optofluidic switch developed in a ZnO-overlaid microstructured optical fiber", *Opt. Express* 23, 31496, (2015)
9. A. Bertucci, A. Manicardi, A. Candiani, S. Giannetti, A. Cucinotta, G. Spoto, **M. Konstantaki**, S. Pissadakis, S. Selleri, R. Corradini, "Detection of unamplified genomic DNA by a PNA-based microstructured optical fiber (MOF) Bragg-grating optofluidic system" *Biosens Bioelectron.* 63, 248-254, (2015)
10. A. Dudus, R. Blue, **M. Konstantaki**, S. Pissadakis, D. Uttamchandani "Optical characterisation of long-period grating using liquid droplets on an electrowetting-on-dielectric platform" *Micro & Nano Letters, IET*, 9, 309-402 (2014)
11. **M. Konstantaki**, P. Childs, M. Sozzi, S. Pissadakis "Relief Bragg reflectors inscribed on the capillary walls of solid-core photonic crystal fibers" *Laser Photonics Rev*, 7, 439-443, (2013)
12. A. Candiani, A. Bertucci, S. Giannetti, **M. Konstantaki**, A. Manicardi, S. Pissadakis, A. Cucinotta, R. Corradini, S. Selleri "Label-free DNA biosensor based on a Peptide Nucleic Acid-functionalized microstructured optical fiber Bragg grating" *Biomed. Opt.* 18, 057004, (2013)

13. A. Candiani, **M. Konstantaki**, W. Margulis, and S. Pissadakis "Optofluidic magnetometer developed in a microstructured optical fiber" *Optics Letters*, 37, 4467-4469, (2012)
14. **M. Konstantaki**, A. Kline, D. Anglos, S. Pissadakis, "An ethanol vapour detection probe based on a ZnO nanorod overlaid optical fibre long-period grating" *Optics Express* 20, 8472–8484 (2012)
15. A. Candiani, W. Margulis, C. Sterner, **M. Konstantaki**, S. Pissadakis, "Phase shifted Bragg microstructured optical fibre gratings utilizing infiltrated ferrofluids" *Optics Letters*, 36, 2548-2550, (2011)
16. **M. Konstantaki**, S. Pissadakis, "Optically tunable long period fiber gratings utilizing a photochromic out-cladding overlayer" *Optical Fiber Technology* 17, 168–170, (2011)
17. **M. Konstantaki**, A. Candiani, S. Pissadakis "Optical fibre long period grating spectral actuators utilizing ferrofluids as outcladding overlayers" *Journal of the European Optical Society – Rapid Publications*, 6, 11007 (2011)
18. A. Candiani, **M. Konstantaki**, W. Margulis, and S. Pissadakis, "A spectrally tunable microstructured optical fibre Bragg grating utilizing an infiltrated ferrofluid," *Optics Express* 18, 24654-24660 (2010)
19. E. Koudoumas, O. Kokkinaki, **M. Konstantaki**, N. Kornilios, S. Couris, S. Korovin, V. Pustovoi and V. E. Ogluzdin "Nonlinear optical response of silicon nanocrystals" *Optical Materials* 30, 2, pp 260-263, (2007)
20. A. Ikiades, G. Howard, D. J. Armstrong, **M. Konstantaki** and S. Crossley, "Measurement of optical diffusion properties of ice for direct detection ice accretion sensors" *Sensors and Actuators A: Physical*, 140, 1, pp 24-31 (2007)
21. **M. Konstantaki**, S. Pissadakis, S. Pispas, N. Madamopoulos, and N.A. Vainos "Optical fiber long-period grating humidity sensor with PEO/CoCl<sub>2</sub> coating" *Applied Optics* 45, 19, pp 4567-4571, (2006)
22. G. Violakis, **M. Konstantaki** and S. Pissadakis, "Accelerated Recording of Negative Index Gratings in Ge-doped Optical Fibers Using 248nm, 500fs Laser Radiation" *IEEE Photonic Technology Letters*, 18, 10, pp 1182-1184, (2006)
23. S. Pissadakis, **M. Konstantaki** "Photosensitivity of germanosilicate fibers using 213nm Nd:YAG radiation" *Optics Express*, 13,7, pp 2605 (2005)
24. **M. Konstantaki**, G. Tamiolakis, A. Argyris, A. Othonos, A. Ikiades, "Effects of Ge concentration, B co-doping and hydrogenation on fiber Bragg grating characteristics" *Microwave and Optical Technology Letters*, 44, 2, pp 148-152 (2005)
25. E. Koudoumas, **M. Konstantaki**, A. Mavromanolakis, S. Couris, Marianna Fanti, Francesco Zerbetto, Konstantinos Kordatos, Maurizio Prato, "Large enhancement of the nonlinear optical response of reduced fullerene derivatives" *Chemistry A European journal*, 9,7, pp 1529 (2003)
26. A. Argiris, **M. Konstantaki**, A. Ikiades, D. Chronis, P. Florias, K. Kallimani, G. Pagiatakis, "Fabrication of high reflectivity superimposed multiple fiber Bragg gratings with unequal wavelength spacing" *Optics Letters* 27, 15, pp 1306-1308 (2002)
27. E. Koudoumas, O. Kokkinaki, **M. Konstantaki**, S. Couris, S. Korovin, P. Detkov, V. Kuznetsov, S. Pimenov, V. Pustovoi, "Onion-like carbon and diamond

- nanoparticles for optical limiting" *Chemical Physics Letters*, 357, 5-6, pp 336-340 (2002)
28. E. Koudoumas, **M. Konstantaki**, A. Mavromanolakis, X. Michaut, S. Couris, S. Leach "Transient and instantaneous third-order nonlinear optical response of C<sub>60</sub> and the higher fullerenes C<sub>70</sub>, C<sub>76</sub> and C<sub>84</sub>" *Journal of Physics B: Atomic, Molecular and Optical Physics*, 34, pp4983-4996 (2001)
  29. **M. Konstantaki**, E. Koudoumas, S. Couris, P. Laine, E. Amouyal, S. Leach "Substantial nonlinear optical response of new polyads based on Ru and Os complexes of modified terpyridines" *Journal of Physical Chemistry*, 105, 45, pp 10797-10804 (2001)
  30. S.B. Korovin, A.N. Orlov, A.M. Prokhorov, V.I. Pustovoi, **M. Konstantaki**, S. Couris, E. Koudoumas, "Nonlinear absorption in silicon nanocrystals" *Quantum Electronics*, 31, 9, pp 817-820 (2001)
  31. E. Koudoumas, **M. Konstantaki**, A. Mavromanolakis, S. Couris, Y. Ederle, C. Mathis, S. Leach, P. Seta "Ultrafast nonlinear optical response of C<sub>60</sub>-polystyrene star polymers" *Chemical Physics Letters*, 335, 5-6, pp 533-538 (2001)
  32. **M. Konstantaki**, E. Koudoumas, S. Couris, J.M. Janot, H. Eddaoudi, A. Deratani, P. Seta, S. Leach "Optical limiting behavior of the water-soluble C<sub>60</sub>γ- cyclodextrin complex" *Chemical Physics Letters*, 318, 4-5, pp 488-495, (2000)
  33. W.Jin, W.C. Michie, G. Thursby, **M. Konstantaki**, B. Culshaw, "Geometric representation of the simultaneous measurement of strain and temperature" *Optical Engineering* 36, 8, pp 2272-2278 (1997)
  34. W.C. Michie, B. Culshaw A. McLean, **M. Konstantaki**, S Hadjiloucas, "Distributed water ingress and water potential measurements using fibre optics" *Cement & Concrete Composites*, 19, 1, pp 35-44, (1997)
  35. W.Jin, W.C. Michie, G. Thursby, **M. Konstantaki**, B. Culshaw "Simultaneous measurement of strain and temperature: Error analysis" *Optical Engineering* 36, 2, pp 598-609 (1997)
  36. W.C. Michie, B. Culshaw, I. McKenzie, **M. Konstantakis**, N.B. Graham, C. Moran, F. Santos, E. Bergqvist, B. Carlstom "Distributed sensors for water and pH measurements using fibre optics and swellable polymeric systems" *Optics Letter*, 20 1, pp 103-105 (1995)
  37. J. Baker, **M. Konstantaki**, S Couris " A resonance enhanced multiphoton ionization study of the CS<sub>2</sub> molecule: the 4p Rydberg state" *Journal of Chemical Physics* 103, 7, pp 2436-2444 (1995)
  38. W.C. Michie, B. Culshaw, **M. Konstantaki**, I. Mckenzie, S. Kelly, N.B. Graham, C. Moran "Distributed pH and water detection using optical fibre sensors and hydrogels" *Journal of Lightwave Technology* 13, 7 pp 1415-1420 (1995)
  39. G. Thursby, W.C. Michie, D. Walsh, **M. Konstantaki**, B. Culshaw " Simultaneous recovery of strain and temperature fields by the use of two moded polarimetry with an in-line mode splitter / analyzer" *Optics Letters* 20, 18, pp 1919-1921 (1995)

#### SCIENTIFIC BOOKS

1. S. Couris, **M. Konstantaki**, E Koudoumas, "Characterization of nonlinear optical materials for photonic applications" *Unconventional optical elements for*

## CONFERENCE PRESENTATIONS

1. **M. Konstantaki** , A. Padhye, E. Anthoulakis, N. Poumpouridis, Z. Diamantakis N. Gavalas, V. Laderos, S. Christodoulou S. Pissadakis, “Optical fiber sensors in agricultural applications” Paper 12139-55, SPIE, Photonics Europe, Strasbourg, France, (2022), *invited*
2. A. Padhye, E. Anthoulakis, S. Christodoulou, M.N. Zervas , **M. Konstantaki**, S. Pissadakis “Optical fiber sensors for detecting spraying drift in drone agricultural applications” SPIE Photonics West on demand, Proceedings Volume 11953, Optical Fibers and Sensors for Medical Diagnostics, Treatment and Environmental Applications XXII; 119530H (2022)
3. **M. Konstantaki**, T. Chalyan “Optical fiber sensors for the assessment of oak barrels used in wine aging,” Online Smart farming Conference, Photonics Applications Week, 1 October 2021
4. N. Poumpouridis, Z. Diamantakis, N. Gavalas, V. Laderos, S. Pissadakis, **M. Konstantaki**, “Optical Fibre Humidity Sensor for Accessing the Wetting Condition of Oak Barrels” CLEO-Europe 2021 CLEO, CH-4 (2021)
5. D. Skiani, **M. Konstantaki**, D. Vurro, A. Cucinotta, S. Selleri, S. Iannotta, S. Pissadakis, “Organic vapor optical fiber sensors based on silk fibroin transduction”, Proc. SPIE 11354, SPIE, Photonics Europe, Strasbourg, France, (2020)
6. O. Rusyakina, **M. Konstantaki**, S. Pissadakis, P. Mergo, M. Makara, T. Baghdasaryan, H. Thienpont, F. Berghmans, and T. Geernaert "Phase-shifted Bragg grating inscription in photonic crystal fibers” , Proc. SPIE 11355, Micro-Structured and Specialty Optical Fibres SPIE, Photonics Europe, Strasbourg, France, (2020)
7. C. Elosúa, **M. Konstantaki**, A. Klini, F. J. Arregui, S. Pissadakis, Tilted FBGs coated with ZnO nano coatings for the development of VOC sensor, European Workshop on Optical Fibre Sensors, EWOFs'2019, Limassol, Cyprus, (2019)
8. D. Milanese, D. Pugliese, N. G. Boetti, S. Pissadakis, **M. Konstantaki**, P. Peterka, L. Di Sieno, D. Gallichi-Nottiani, J. Lousteau, D. Janner, Multimaterial bioresorbable optical fibers for theranostics, European conferences on Biomedical Optics, Munich, Germany, (2019)
9. **M. Konstantaki**, D. Pugliese, D. Milanese, Candiani, S. Pissadakis, Optical Fiber Bragg Grating Sensors for Medical Application, Photonics & Electromagnetics Research Symposium PIERS 2019, Rome, Italy (2019), *invited*
10. **M. Konstantaki**, G. Violakis, T. Geernaert, N. Korakas, N. Tiriakidis, Th. Tiriakidi, K. Tiriakidis, H. Thienpont, F. Berghmans, S. Pissadakis, Optical Fiber Bragg Grating Sensors for Torque Induced Strain Monitoring in Filament Wound Composite Shafts, 26th International Conference on Optical Fiber sensors, ThE98, Lausanne, Switzerland (2018)
11. **M. Konstantaki**, S. Pissadakis, D. Pugliese, E. Ceci-Ginistrelli, N. G. Boetti, D. Milanese, I. Konidakis, and D. Janner, “Toward Bioresorbable Photosensitive

Fibers for Theranostics” Advanced Photonics, BTu4A.4, Zurich, Switzerland (2018)

12. R. Gassino, A. Vallan, G. Perrone, **M. Konstantaki**, S Pissadakis, Characterization of fiber optic distributed temperature sensors for tissue laser ablation, Instrumentation and Measurement Technology Conference (I2MTC), 2017 IEEE International, Turin, Italy, (2017)
13. **M. Konstantaki**, S. Pissadakis, D. Pugliese, E. Ceci-Ginistrelli, N. G. Boetti, D. Milanese, Bragg grating UV inscription in a bioresorbable phosphate glass optical fiber, ICTON 2016, We.C6.1 Trento, Italy (invited) (2016)
14. **M. Konstantaki**, S. Pissadakis, D. Pugliese, E. Ceci-Ginistrelli, N. G. Boetti, D. Milanese, Bragg Gratings in a Bioresorbable Phosphate Glass Optical Fiber, BGPP-OSA, BT2B.3 Sydney, Australia, (2016)
15. I. Konidakis, **M. Konstantaki** and S. Pissadakis, A light-controlled optofluidic switch using ZnO as actuating material, 3rd EOS Conference on Optofluidics, EOSOF-2015, Munich, Germany (2015)
16. S.Pissadakis, **M.Konstantaki**, I.Konidakis, All-optical optofluidic actuators in microstructured Optical fibers utilizing ZnO Overlayers, EU-Korea workshop on Advanced Materials, EMRS spring meeting, Lille (invited) (2015)
17. I. Konidakis, **M. Konstantaki**, K. Kosma, S. Pissadakis, All-optical optofluidic switching in a ZnO-overlaid microstructured optical fiber”, Bragg Gratings, Photosensitivity and Poling in Glass Waveguides, BGPP-2014, July 2014, Barcelona, Spain, JTU6A.2 (post-deadline) (2014)
18. R. Blue, A. Duduś, **M. Konstantaki**, S. Pissadakis, D. Uttamchandani, Characterization of a double tilted fiber Bragg grating using an electrowetting platform, International Conference on Optical MEMS and Nanophotonics (OMN), August 2014, Glasgow, Scotland, (2014)
19. S. Pissadakis, **M. Konstantaki**, A. Candiani, Optical fibre magnetofluidic sensors and actuators, IMEKO 2014 September 2014, Benevento, Italy (invited) (2014)
20. A.Candiani, S.Giannetti, A.Cucinotta, A.Bertucci, R.Corradini, **M.Konstantaki**, W.Margulis, S.Pissadakis, S.Selleri, DNA biosensors implemented on PNA-functionalized microstructured optical fibers Bragg gratings, SPIE Optics and Optoelectronics Europe, 8775-1 (invited) (2013)
21. **M. Konstantaki**, G. Tsibidis, P.Childs, M. Sozzi, and, S.Pissadakis, Laser etched gratings inside microstructured optical fibres, Progress in Ultrafast Laser Modifications of Materials, Cargese, (invited), (2013)
22. A.Candiani, S.Giannetti, M.Sozzi, E.Coscelli, F.Poli, A.Cucinotta, A.Bertucci, R.Corradini, **M.Konstantaki**, W.Margulis, S.Pissadakis, S.Selleri, Microstructured optical fiber Bragg grating sensor for DNA detection, SPIE, Photonics West 2013, 8576-13, (2013)
23. A.Candiani, S.Giannetti, M.Sozzi, E.Coscelli, F.Poli, A.Cucinotta, A.Bertucci, R.Corradini, **M.Konstantaki**, W.Margulis, S.Pissadakis, S.Selleri, PNA-modified photonic crystal fibers for DNA detection, CLEO-Europe 2013 CLEO, CL-P.1 (2013)
24. A.Candiani, **M.Konstantaki**, W.Margulis, S.Pissadakis , A smart-skin shear sensor based on ferrofluid infiltrated Bragg grating in a microstructured optical fibre, SPIE Photonics Europe, Brussels, Belgium, 8426-07 (invited), (2012)



25. **M.Konstantaki**, M.Sozzi, P.Childs, S.Pissadakis, Relief Bragg gratings inscribed inside microstructured optical fibres, BGPP-OSA 2012, BM3D.2 (2012)
26. A.Candiani, **M.Konstantaki**, W.Margulis, S.Pissadakis , : A shear-displacement sensor based on a ferrofluidic defected microstructured optical fibre Bragg grating, BGPP-OSA 2012, BTu2E.2. (2012)
27. **M.Konstantaki**, A.Klini, D.Anglos, S.Pissadakis, An efficient probe for detecting organic vapors utilizing a ZnO nanorod overlayer deposited on an optical fibre long-period grating, SWP 2011, (2011)
28. A.Candiani, W.Margulis, C.Sterner, **M.Konstantaki**, S.Pissadakis, "Sensing and actuating photonic devices in magnetofluidic, microstructured optical fibre Bragg gratings", SPIE Optics and Optoelectronics Europe, 8073B-113, (2011)
29. M.Sozzi, A. Cucinotta, S. Selleri, R.Corradini, **M. Konstantaki**, S.Pissadakis, "Label-free detection of DNA biomolecules with a long period grating-based fiber optic sensor", Photonics West 2011, 7894-20, (2011)
30. **M.Konstantaki**, A.Klini, D.Anglos, S.Pissadakis", An ethanol vapor detection probe based on a ZnO nanorod overlaid optical fibre long-period grating, OFS-2011, Ottawa, 7753-267, (2011)
31. A.Candiani, W.Margulis, C.Sterner, **M.Konstantaki**, S.Pissadakis, Magnetofluidic microstructured optical fibre Bragg gratings, EOSOF 2011, 4401, (2011)
32. S. Pissadakis, D. Anglos, A. Klini, **M. Konstantaki**, "Long period optical fibre grating outcladding overlaid sensors: a versatile photonic platform for health and bio applications", IEEE Biophotonics 2011 Parma, We2.5, (2011)
33. A.Candiani, W.Margulis, C.Sterner, **M.Konstantaki**, S.Pissadakis, "A vectorial magnetometer utilising a microstructured optical fibre Bragg grating infiltrated by a ferrofluid", CLEO-Europe 2011, CH6.3, (2011)
34. M.Sozzi, A.Cucinotta, R.Corradini, R.Marchelli, **M.Konstantaki**, S.Pissadakis, S. Selleri, "Label-free DNA detection with PNA modified long period fiber grating-based sensor", CLEO-Europe 2011, JSIV1.2, (2011)
35. A.Klini, **M.Konstantaki**, D.Anglos, S.Pissadakis, An optical fiber long-period grating sensor for organic vapors utilizing a ZnO nanorod out-cladding, CLEO-Europe 2011, CK9.5, (2011)
36. A.Candiani, **M.Konstantaki**, W.Margulis, S.Pissadakis, Spectral tuning of microstructured optical fibre Bragg gratings utilizing ferrofluids, SWP 2010, Munich, (2010)
37. **M.Konstantaki**, A.Klini, D.Anglos, S.Pissadakis, "A detection probe for organic vapors based on optical fibre long-period gratings and ZnO nanorod out-claddings", TCM 2010, 464, (2010)
38. A. Candiani, **M. Konstantaki**, W. Margulis, S. Pissadakis, "Spectral tuning of microstructured optical fibre Bragg gratings utilizing ferrofluids" ICTON, Munich, Germany, June (2010)
39. A.Candiani, **M.Konstantaki**, S.Pissadakis, W.Margulis, "Spectral tuning of a microstructured optical fibre Bragg grating by employing an infiltrated ferrofluidic actuator", Photonics Europe 2010, 7714-24, (2010)
40. A. Candiani, **M. Konstantaki**, W. Margulis, S. Pissadakis, "Spectral Tuning Of A Microstructured Fibre Bragg Grating Utilizing An Infiltrated Ferrofluidic Defect" BGPP 2010, Karlsruhe, Germany, June (2010)

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