

## Grigoris Antonopoulos

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### Education

- Doctorate (PhD) in Fiber Optics at the Centre for Photonics and Photonic Materials (CPPM), Department of Physics, University of Bath, UK (03/2006).
- Master of Science (MSc) in Physics of Advanced Electronic Materials at the School of Physics, University of Bristol, UK (01/2002).
- Bachelor's Degree in Physics at the Physics Department, National and Kapodistrian University of Athens, Greece (04/2000).

### Research & Teaching Appointments

11/2014 – Present: Postdoctoral Researcher, TPCI, NHRF, Athens, Greece.  
08/2013 – 10/2014: Researcher, Organic Electronic Technologies P.C. (OET), Thessaloniki, Greece.  
10/2012 – 03/2013: Postdoctoral Researcher, TPCI, NHRF, Athens, Greece.  
10/2007 – 10/2010: Senior Research Scientist, DySIS Medical S.A. (former FORTH Photonics), Athens, Greece.  
09/2002 – 05/2004: Graduate Teaching Assistant, Physics Department, Bath University, Bath, U.K.

### Main Research Interests

- Fiber optics, in particular properties and applications of hybrid optical fibers and development of devices based on photonic crystal fibers and micro- and nanofibers and waveguides.

### Research Projects

Participation in two large-scale EU FP7 research projects, three Greek/European (GSRT) projects, one European Defence Agency (EDA) project, one British (EPSRC) research project and several Greek-funded research projects.

### Honours & Awards

- Full three-year EPSRC Project Studentship at Bath University, UK.
- Commendation Award for the MSc degree from the University of Bristol, UK.
- One-year EPSRC Fees Studentship Award for the MSc course at University of Bristol, UK.

### Conferences

Participation in 17 international conferences. Exhibitor in 8 scientific and technological trade fairs.

### Publications

5 peer-reviewed journal publications. 7 peer-reviewed conference proceedings publications.

### Selected Publications

- A. Petropoulou, G. Antonopoulos, P. Bastock, G. Kakarantzas, C. Craig, D.W. Hewak, M.N. Zervas, and C. Riziotis. "All-Fiber Plasmonic Platform Based on Hybrid Composite Metal/Glass Microwires," [\*The Journal of Physical Chemistry C\* \*\*122\*\*\(45\) 26169-26176 \(2018\)](#)
- G. Antonopoulos, P. Velanas, A. Psomaki-Karra, C. Riziotis and G. Kakarantzas, "Hybrid silica nanowires with a highly nonlinear glass thin coating," in [\*IEEE Spatiotemporal Complexity in Nonlinear Optics \(SCNO\)\*, pp. 1-3 \(2015\)](#)
- C. Markos, G. Antonopoulos, and G. Kakarantzas. "Broadband guidance in a hollow-core photonic crystal fiber with polymer-filled cladding." [\*IEEE Photonics Technology Letters\* \*\*25\*\*\(20\) 2003 - 2006 \(2013\)](#)
- G. Antonopoulos, F. Benabid, T. A. Birks, D. M. Bird, J. C. Knight, and P. St. J. Russell. "Experimental demonstration of the frequency shift of bandgaps in photonic crystal fibers due to refractive index scaling." [\*Optics Express\* \*\*14\*\*\(7\) 3000-3006 \(2006\)](#)
- F. Benabid, G. Antonopoulos, J. C. Knight, and P. St. J. Russell. "Stokes amplification regimes in quasi-CW pumped hydrogen-filled hollow-core PCF" [\*Physical Review Letters\* \*\*95\*\*\(21\) 213903 \(2005\)](#)
- F. Benabid, J. C. Knight, G. Antonopoulos, and P. St. J. Russell. "Stimulated Raman scattering in hydrogen-filled hollow-core photonic crystal fiber" [\*Science\* \*\*298\*\*\(5592\) 399-402 \(2002\)](#)