

RESUME

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Citizenship : Hellenic (Greek) / Belgian (dual citizenship).

Born: 23 February 1967, in Hania, Crete, Greece.

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- ACADEMIC QUALIFICATIONS

- i) *Doctoral (PhD) degree in Science* 16/10/2002, Université Libre de Bruxelles (ULB), Belgium.
- ii) *Postgraduate Certificate in Higher Education Teaching (PGCHET)*, Queen's University Belfast, School of Education, UK; Awarded 4 July 2013.
- iii) *DEA en Sciences* (Belgian equiv. MPhil. degree in Science) *in Statistical Mechanics and Nonlinear Phenomena*, 13/09/2001, Université Libre de Bruxelles (ULB), Belgium.
- iv) *DEA de Physique* (French MSc. degree in Physics) *in Molecular Spectroscopy and Materials for Optical and Electronic Applications*, 01/07/1991, Université de Bourgogne, Dijon, France.
- v) *Ptychio* (Greek BSc degree) in Physics, 16/11/1989, University of Crete, Heraklion, Greece.

- HONOURS / FELLOWSHIPS / AWARDS

- 2014 - : Invited membership of the Natural Sciences and Engineering Research Council of Canada (NSERC), Discovery Grants Program, Physics Evaluation Group; three-year term.
- 2014 - : **Editorial Board Member: Scientific Reports (Nature)**: EBM for Fluids and Plasma Physics.
- 2009 - : Editorial Board Member: Open Plasma Physics Journal (OPPJ): EBM for Plasma Physics.
- 2013 - : UK Higher Education Academy (HEA) membership.
- 2007: *Professor Harry Messel Fellowship*, University of Sydney, School of Physics, Australia (status offered; award declined, due to overlap with offer of academic appointment).
- 2005: Fellowship of the Max-Planck-Institut für extraterrestrische Physik, Garching, Germany; Project: Complex Plasmas (PI Gregor E Morfill).
- 2000 - 2001: Doctoral Prize of the David & Alice Van Buuren Foundation, Brussels, Belgium.
- 1995 - 1997: Training & Research Fellow of the Commission of the European Communities (DG RDT - Fusion Programme); Project: *Kinetic Theory of Magnetically Confined Plasmas*.

- RESEARCH APPOINTMENTS (post-PhD)

- 2013-today: *Special Visiting Researcher (Pesquisador Visitante Especial - PVE)*: Brazilian Research Fund (CNPq - Conselho Nacional de Desenvolvimento Científico e Tecnológico - Brasil).
- *Visiting Scholar*, University of Sydney, Australia (Jan. 2009, Jan. 2011).
- 2006-2007: *Research Associate (Wissenschaftlicher Mitarbeiter BATII)*; Ruhr Universität Bochum, Germany; funded by the German Research Society (Deutsche Forschungsgemeinschaft).
- 2006: Research Associate, Universiteit Gent, Sterrenkundig Observatorium, Gent, Belgium; FWO (Flemish Research Fund) funding; collaboration with Prof. F. Verheest on Space Plasmas.
- 2003 - 2005: Research Associate (Wissenschaftlicher Mitarbeiter); Ruhr Universität Bochum, Germany; SFB 591 Programme of the German government: „Sonderforschungsbereich 591 Universelles Verhalten gleichgewichtsferner Plasmen: Heizung, Transport und Strukturbildung“, Deutsche Forschungsgemeinschaft; collaboration with Prof. PK Shukla & Prof R Schlickeiser.

- TEACHING APPOINTMENTS and ACADEMIC ADMINISTRATION

- 2007 - today: Lecturer (Assistant Professor, UK equiv.), Centre for Plasma Physics (CPP), Queen's University Belfast (QUB); permanent academic post (tenure awarded in 2009).
- Teaching activities at postgraduate (PG)/undergraduate (UG) level/s include:
 - * MSc course *PHY9013-Introductory Plasma Theory and Simulation* (PG); 2008-14;
 - * MSc course *PHY9016-Laser Produced Plasmas* (PG); 2008-14;
 - * Supervision of MSc and MSci projects & dissertations (typically, 2-3 projects per year);
 - * *AMA3014: Mathematical Modelling in Biology & Medicine* (3rd year Applied Math.); 2014-
 - * *AMA3013: Calculus of Variations & Hamiltonian Mechanics* (3rd year AMath); 2009-13
 - * Level 2 Physics labs (2nd year UG); Level 1 Foundation Physics (1st year UG tutoring);
- Academic administration:
 - * Exams Liaison Officer (ELO), School of Mathematics and Physics, QUB, 2014/15;
 - * Adviser of Studies (~60 undergraduate & ~10 postgraduate students), QUB, 2008-14;
 - * Admissions Officer (PG), QUB, 2008-14.
- 2005-06: Guest Lecturer, Abdus Salam International Center for Theoretical Physics, Trieste, Italy.

- RESEARCH RECORD & IMPACT

- **150+ articles in refereed journals; 60+ papers in Collective Volumes and Conference Proceedings.**
- Citation **H-index: 29**; Total of **2600+ citations** to-date.
- **30+ Invited Talks** at International Conferences and Advanced Schools;
- 45+ Contributed Talks and Poster presentations in International Conferences.
- Detailed publication list available online at: www.kourakis.eu (under link/tab "Research Track Record").
- Live citation metrics at www.researcherid.com/rid/B-7885-2010 ; ORCID ID: 0000-0002-4027-0166.

- RESEARCH COMMUNITY SERVICE & RECOGNITION

- Regular Peer Reviewer (25+ international journals), e.g. Phys. Rev. E, PRL (APS), Phys. Plasmas (AIP), ...
- Editorial Board Member: Scientific Reports (Nature); Open Plasma Physics Journal;
- External evaluator for academic promotion (S. Africa, Pakistan);
- Member of the Local Organising Committee: Eur. Physical Society Congress on Plasma Physics (EPS2017), to be held in Belfast, Northern Ireland, UK.
- Member of the International Scientific Committee: Chaotic Modelling and Simulation International Conference (CHAOS2012-16) series; next meeting to be held in London, UK (May 2016).
- Local Organizing Committee, 30th Int. Conf. on Phenomena in Ionized Gases (ICPIG), 08-09/2011.
- International Scientific Committee, XII Latin-American Workshop on Plasma Physics, 12/2007.

- LEADERSHIP, SUPERVISION & COLLABORATION NETWORK

- **Team Leadership:** 7.5 postdoc (PDRA)-years to date, all funded by EPSRC (UK); 5 PhD students supervised to date (incl. 2 graduated), funded by DEL NI; 9+ hosted academic & research visitors (self/funded).
- **External thesis examiner** assignments: 13+ assignments to date (UK, Sweden, Australia, S. Africa, Pakistan);
- 30+ external collaborators (joint published research) from 20+ countries.

- RESEARCH FUNDING

- Principal Coordinator, EU-funded international network, combining 5 universities from 4 countries (UK, Sweden, Portugal, Brazil): "*Quantum Plasmas*", EU-FP7 IRSES Programme, 84K euros (2014-17).
- "*Waves and Instabilities in Quantum Plasmas*", Brazilian Research Council (CNPq); Science without Borders Programme), BR R\$ 233K (approx. 73K euros, or GBP 60K); awarded (2014-16).
- NITheP - National Institute of Theoretical Physics (South Africa), travel grant (10K ZAR, approx.. GBP 1K).
- 2013-2014: HIPOLIN - European Erasmus IP on "An Introduction to high power light-matter interactions (HIPOLIN)" (an intense training course funded by the Erasmus IP action): IK: partner and local coordinator.
- 2011-13: PI, EPSRC grant "*Fluid Theory and Simulation for Laser-Plasma Interactions*" (£125 K).
- 2007-12: UK-EPSRC funding via Centre of Plasma Physics (QUB) (Science & Innovation award to CPP/QUB); 5 PDRA-years and 4 PhD-years provided until May 2012. No extension scheduled.
- 2011-14: DEL NI funding, two PhD studentships (*Laser Plasma Dynamics, Quantum Plasmas*).
- PI, 2 travel grants (GBP 4K+4K), UK Royal Society, U. South Wales, Sydney Australia (2009-11).