

CURRICULUM VITAE

Michael Kompitsas

Director of Research
Theoretical and Physical Chemistry Institute
National Hellenic Research Foundation
48 Vassileos Constantinou Ave.
Athens 11635, Greece

Phone: +30 210 7273834
Fax: +30 210 7273794
E-mail: mcomp@iee.gr
Website: www.laser-applications.eu



EDUCATION

- Ph.D. in Physics, Heidelberg University, Germany (1980)
- Diploma in Physics, Heidelberg University, Germany (1975)

PROFESSIONAL EXPERIENCE AND APPOINTMENTS

- 2012- : Director of Research
- 2005 - 2012: Senior Researcher, TPCI, NHRF, Athens, Greece.
- 1991 - 2005: Associate Researcher, TPCI, NHRF, Athens, Greece.
- 1983-1991 : Assistant Researcher, TPCI, NHRF, Athens, Greece.

MAIN RESEARCH INTERESTS

- Laser-matter interaction
- Laser micromachining of thin films

- Pulsed laser deposition of metal oxide thin films
- Thin film optoelectronic devices
- Chemical and biological sensors
- Thin film based photovoltaic cells
- Laser-induced Plasma Spectroscopy (LIPS)

EXTERNAL FUNDING

NHRF -CNRS France Exchange Visitor program

NATO -CLGs (Germany, Romania)

NHRF - Nat. Techn. Univ. Athens

Bilateral Research Agreement (Romania)

EU- -INTAS (Russia, Germany)

Subcontractor SAM company (Austria)

Bilateral Research Agreement (Slovakia)

EU ERA.Net Rus, Collaborative S&T Projects

TEACHING EXPERIENCE

- 1995-today: PhD dissertations: 7; MsC theses 8; Honor theses: 12
- 1995-today: Post-grad. Chem. Eng./NTUA students, Analytical Laboratory.
- 1977 - 1980: Undergraduate students, Physics Laboratory, Heidelberg University, Germany.

PROFESSIONAL AFFILIATIONS & ACTIVITIES

Greek Physical Society (EEE), German Physical Society (DPG), European Physical Society (EPS), American Physical Society (APS).

AWARDS AND DISTINCTIONS

- CORDIS EXPRESS (a weekly briefing on European Research and Innovation) Issue 207, 13 October 2006 "Greek researchers lead the way on thin film technology" . http://cordis.europa.eu/express/20061013/home_en.html
- "Controlled doping of Al:ZnO films by two-laser, two-target PLD". *Photonik International* (2006) 95.
([article among the 30 best, published in Photonik in the year 2005](#)).

SELECTED PUBLICATIONS

1. "Optimized hydrogen sensing properties of nanocomposite NiO:Au thin films grown by dual Pulsed Laser Deposition", I. Fasaki, M. Kandyla, M.G. Tsoutsouva, and M. Kompitsas, [Sensors and Actuators B: Chemical 176, 103 \(2013\)](#).
2. "On physical properties of undoped and Al and In doped zinc oxide films deposited on PET substrates by Reactive Pulsed Laser Deposition". M. Girtan, M. Kompitsas, R. Mallet and I. Fasaki. [The European Physical Journal - Applied Physics, 51, 33212 \(2010\)](#).
3. "Laser-induced breakdown spectroscopy for on-line sulfur analyses of minerals in ambient conditions". Gaft M., Nagli L., Fasaki I., Kompitsas M., Wilsch G. [Spectr. Acta B 64\(10\) 1098 \(2009\)](#).
4. "Growth of Au-TiO₂ nanocomposite thin films by a dual-laser, dual-target system". E. György, G. Sauthier, A. Figueras, A. Giannoudakos, M. Kompitsas and I. N. Mihailescu. [J. Appl. Phys.100 114302 \(2006\)](#).
5. "Near-IR bromine Laser Induced Breakdown Spectroscopy detection and ambient gas effects on emission line asymmetric Stark broadening and shift". G. Asimellis, A. Giannoudakos, M. Kompitsas. [Spectr. Acta B 61 1270-1278 \(2006\)](#).