

Mr. Mavromanolakis Antonis  
Technical Scientist

## **Education**

- 2004, MSc in Microelectronics-Optoelectronics, Physics department, University of Crete, Greece.
- 2001, Certification as an observer meteorologist by the Hellenic National Meteorological Service.
- 1997, Bachelor in Physics (with a certified specialty in atomic and molecular physics), Physics department, University of Crete, Greece

## **Career**

- 2014 – Today Technical Scientist and Research Assistant at Polymer and colloid science group of IESL/FORTH
- 2005 – 2016 High school science teacher.
- 2004 - 20011 Teaching experimental lessons in Electrical Engineer and Informatics Engineer department at the Technological Educational Institute of Crete.
- 1996 – 1997 Specialization and training fellowship at the laser group of IESL/FORTH

## **Research and Development experience:**

- Laser Induced Breakdown Spectroscopy.
- Time of Flight (TOF) spectroscopy.
- Laser development.
- Nonlinear Optics.
- Upgrade and developments of rheo-optical setups.
- Light scattering setups at high pressures (kbar range)
- 3D designing and printing.
- Force sensing optical tweezers
- Temperature and pressure active controllers using Arduino and python programming.