

## **Michalis Velegrakis**

is Director of Researcher in IESL-FORTH  
(<http://www.iesl.forth.gr/people/person.aspx?id=171>).

### **Education:**

He holds a B.S in Physics at the University of Ioannina, Greece (1979), and a Ph. D. in Physics, at the University of Bielefeld, Germany (1987).

### **Career:**

Postdoc, University of Bielefeld, Physics (1987 - 1988)  
Assistant, University of Bielefeld, (1988 - 1991)  
Research Fellow, FORTH-IESL (1991-11/1994)  
Visiting Professor, University of Crete, Physics (1993-2003)  
Associated Researcher, FORTH-IESL (1995-1999)  
Principal Researcher, FORTH-IESL (1999-2014)  
Director of Research, FORTH-IESL (2014-)

### **Teaching Experience:**

Since 1982 he had taken several laboratory, courses and lectures in both undergraduate and postgraduate level in the universities Bielefeld/Germany and Crete. He has supervised 4 Diploma theses, 4 Masters, 3 Doctoral theses and 6 postdocs.

### **Research activities and achievements:**

Since 1992, he is active in IESL-FORTH, where he has grounded (with external funding and grants -e.g. Volkswagen Stiftung) the **Cluster Physics and Chemistry Laboratory** (<http://www.iesl.forth.gr/research/activity.aspx?id=16>), with activities that belong to the areas of Molecular Physics, Physical Chemistry and Materials Science.

The research targets the understanding the formation mechanisms, the stability, the structure (geometric and/or electronic) and the properties (optical activity, chemical reactivity, catalytic activity) of clusters and free biomolecules and also to study nanostructured materials made out of clusters.

These goals are approached in a state-of-the-art molecular beam apparatus, employing advanced mass spectrometric, laser spectroscopic and crossed molecular beam scattering in combination with imaging techniques. Based on the results of this research, strong collaborations with theoretical groups in the national and international level have been established.

The output of his research is presented in over 38 publications in peer-reviewed journals and in several talks at international conferences, universities and research centres. He has been involved in several international and national funded research projects either as coordinator or as participant.