

## First International Workshop on Differential and Integral Equations with Applications in Biology and Medicine-DIEBM2010

7-10 September 2010, Aegean University, Karlovassi, Samos island, Greece

Web page: <http://www.icsd.aegean.gr/diebm2010/>

### TOPICS

The Workshop will cover topics on Theory and Numerics of Differential and Integral Equations and their applications in areas of Biology and Medicine. Such applications for example include:

- Cell Biology: cell populations, cell motility, molecular motor models.
- Epidemiology: early childhood disease models (i.e. measles, rubella, etc.)
- Medicine: diabetes models, cancer, tuberculosis, influenza, blood production and flow models, also models associated with functions of various parts of the human body like the heart, kidneys, the pancreas, the eyes, the gastro-intestinal system.

Panagiotis Anastasiadis	(Mayo Clinic, Jacksonville, FL, USA)
Christopher Baker	(University of Chester, UK, and University of Manchester, UK)
Alfredo Bellen	(University of Trieste, Italy)
Gennady Bocharov	(Institute of Numerical Mathematics, Russian Academy of Sciences, Russian Federation)
Neville Ford	(Univ. of Chester, UK)
Peter Leach	(University of KwaZulu-Natal, Republic of South Africa, and Aegean University, Greece)
Doron Levy	(Univ. of Maryland, MD, USA)
Anne C. Skeldon	(Univ. of Surrey, UK)
Angelique Stephanou	(Lab. TIMC-IMAG, Fac. of Medicine of Grenoble, France)
Ezio Venturino	(Univ. of Torino, Italy).
Yuesheng Xu	(Syracuse University, USA)
Magda Rebelo	Univ. Nova de Lisboa, Portugal (short course)
Yuesheng Xu	Syracuse University, USA (short course),

### INVITED SPEAKERS include:

**VENUE** The Workshop will take place in PROVATARI Bldg of the Aegean University. Provatari Bldg is located in the port area of Karlovassi, Samos, Greece.

- SPONSORS and SUPPORTING SOCIETIES include**
- Union of Vinicultural Cooperatives of Samos (EOSS), (<http://www.samoswine.gr/uk/1.php>).
  - Numerical Algorithms Group (NAG), (<http://www.nag.co.uk>), IMA (<http://www.ima.org.uk>), IMACS (<http://metronu.ulb.ac.be/imacs-online.html>),
  - ESMTB (<http://www.esmtb.org>), SMB (<http://www.smb.org>).
  - Municipality of Karlovassi, (<http://www.karlovassi.gr/>)
  - General Secretariat for Research and Technology, Athens, Greece ([http://www.gsrt.gr/default.asp?V\\_LANG\\_ID=2](http://www.gsrt.gr/default.asp?V_LANG_ID=2)).
  - Samos Chamber of Commerce (<http://www.samoscci.gr>).
  - Ministry of Infrastructure, Transport and Networks, General Secretariat of Aegean and Island Policies (<http://www.yme.gr>).
  - Alpha Education, Samos, Samos, (<http://www.Alpha.edu.gr>).

### ORGANISERS-CONTACTS

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### CONTRIBUTED PAPERS, POSTERS

The Workshop will host contributed talks and also posters and a half day short course on Integral Equations.