

UNIVERSITY OF CRETE

Department of Materials Science & Technology (MST)

Graduate Studies

1/11/2013



Staff Members

G. Armatas

M. Chatzinikolaidou

G. Fytas

M. Kafesaki

G. Kioseoglou

G. Kopidakis

A. Mitraki

D. Papazoglou

N. Pelekanos

G. Petekidis

I. Remediakis

P. Savvidis

K. Tokatlidis

M. Vamvakaki

K. Velonia

D. Vlassopoulos

N. Chronis, S. Tzortzakis

V. Koutsos, A. Lyberatos

Director of graduate studies:

G. Kioseglou

Research Areas

Bio-materials

Velonia, Mitraki, Tokatlidis, Chatzinikolaidou

Computational materials science

Kopidakis, Remediakis, Kafesaki

Optoelectronics and magnetic materials

Papazoglou, Pelekanos, Savvidis, Kioseoglou

Materials chemistry

Armatas, Vamvakaki

Polymer and colloid science

Fytas, Petekidis, Vlassopoulos

MST (TETY)

Administrative Personnel:

- A. Skouradaki (head)
- B. Stratigis (in charge of graduate program)
- M. Partali (undergraduates)

Technical Personnel:

- S. Stamatiadis, D. Stefanakis (computer center, web page)
- D. Theodoridis, E. Tylianakis, E. Spanakis (labs)

MST (TETY)

MS and PhD programs in Materials Science and Technology

Areas:

Hard materials (optoelectronics, magnetic)

Soft materials (polymers, colloids)

Biomaterials and biomolecules

Computational materials science

Goal:

Solid background for successful international career

Excellence in research

First-class training in classroom and laboratory

Learn to ask questions to pursue your goals

MST (TETY)

**Total number of students since 2004: 109
(52 PhDs, 57 Masters)**

Degrees offered to date: 17 PhDs and 19 MS

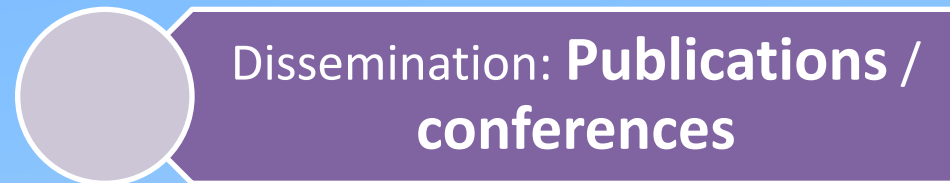
Discontinued or dropouts: 20

Masters program -- requirements

 Courses

 Departmental
Colloquia

 Teaching Assistantship
Assistantship in exams

 Dissemination: **Publications /
conferences**

 Thesis / defense

COURSES

REQUIRED	ELECTIVE	THESIS
<ol style="list-style-type: none">1. <i>Hard Materials</i>2. <i>Computational Materials Science</i>3. <i>Soft Matter</i>4. <i>Biomaterials – Biomolecules</i>	<ul style="list-style-type: none">• From TETY and other departments• The registration requires the signature of the director of graduate studies	Master Thesis during the 2 nd year of studies
40 ECTS	<ul style="list-style-type: none">• 20 ECTS• 10 ECTS can be from publications (5 each), posters and oral presentations (2 each) in conferences and workshops	60 ECTS

COLLOQUIA 2013-2014

- **When**: Fridays 16:00
- **Where**: Seminar Room 3rd floor physics building

Contact

D. Papazoglou (dpapa@materials.uoc.gr)

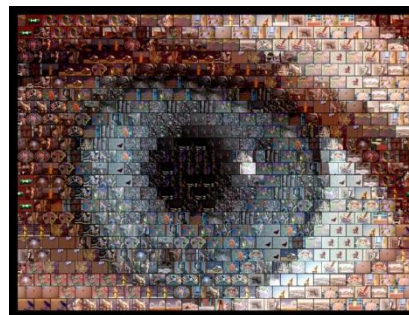
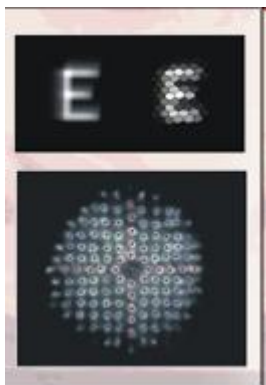
check also other UoC depts. and FORTH

ΠΑΝΕΠΙΣΤΗΜΙΟ ΚΡΗΤΗΣ

ΔΙΑΤΜΗΜΑΤΙΚΟ ΜΕΤΑΠΤΥΧΙΑΚΟ ΠΡΟΓΡΑΜΜΑ ΣΠΟΥΔΩΝ ΣΤΗΝ «ΟΠΤΙΚΗ ΚΑΙ ΟΡΑΣΗ»

MST contact: D. Papazoglou

<http://optics-vision.med.uoc.gr>



PhD program -- requirements



PhD program

Prelims (qualifying exam)

Examination:

- a) Presentation of thesis topic - work done / planned
 - b) Presentation of topic other than thesis (to be given to the candidate 3 weeks prior to exam). To be decided by the director of graduate studies.
Questions/discussion
- Total time not exceeding 60 min
 - Successful completion of both is required.
 - In case of failure, a second examination is possible.

Teaching Assistantship

- Labs: experiments, reports
- Courses: homework problems
- Exam supervision: January, June, September (mandatory)

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ΣΧΟΛΗ ΘΕΤΙΚΩΝ ΚΑΙ ΤΕΧΝΟΛΟΓΙΚΩΝ ΕΠΙΣΤΗΜΩΝ
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Gerald G. Fuller

Fletcher Jones Διακεκριμένος Καθηγητής
Πανεπιστημίου Stanford ΗΠΑ
Τμήμα Χημικής Μηχανικής
Επίτιμος Διδάκτωρ Πανεπιστημίου Κρήτης



*Rheology to the Rescue: Applying Complex Fluids
to Solve Problems in Bio-Medicine*



Τετάρτη 25 Νοεμβρίου 2009, 4 μμ
Φοιτητικό Κέντρο, Πανεπιστημιούπολη Βουτών

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Pawel Hawrylak

National Research Council, Canada

February 2014