



Participant Profile

for the
Turkish-German Strategy Workshop 2006
TÜBITAK Marmara Research Center,
Istanbul- Gebze Turkey
13 – 15 December 2006



International Bureau (IB)
of the Federal Ministry of
Education and Research
(BMBF)

1. Contact details and personal information

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¹ **Role/function** e.g. working group leader, managing director, postdoc, PhD etc.

² **Organisation type** e.g. university, research institution, small and medium enterprise (SME), industry etc.

Working Group:

<input checked="" type="checkbox"/> 1 Material Technologies <input type="checkbox"/> 2 Biotechnology, Genomics and Food <input type="checkbox"/> 3 Energy <input type="checkbox"/> 4 Information and Communication Technologies <input type="checkbox"/> 5 Environmental Protection, Climate Change and Sustainable Development

Areas of activity:

<input checked="" type="checkbox"/> research <input type="checkbox"/> technology development <input checked="" type="checkbox"/> demonstration	<input type="checkbox"/> training <input type="checkbox"/> dissemination <input type="checkbox"/> other:
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Keywords characterising your area of research:

Please choose the appropriate key words (max. 5) from the following list:
nanotechnology; nanodevices; interface technology; optics; spectroscopy
<http://www.cordis.lu/fp6/keywords>

Expertise, technologies and infrastructures available in your institution:

Research activities / expertise: solid state laser and IR spectroscopy; nanomaterials characterization by Konfokal Raman and GD OES; inorganic LED / layered semiconductors; nonlinear optics; solid state lasers; nonlinear tunable lasers

Methods: optics; IR and Raman spectroscopy; GD OES

Key technologies: growth from liquid phase; nano particle growth via sonication

Infrastructures: Konfokal Raman Spectrometer; GS OES HR Profiler

Key publications: "Optical Properties of GaSe Nano Particles Fabricated by laser Ablation", 28th ICPS, July 24-28, 2006, Vienna Austria; "Self-Organization of Nanometer Periodic Structures of Clusters in Solids" and "Nonlinear Longitudinal Strains in Solids with Defect Nanoclusters", NANOMAT 2006, June 21-23, 2006, Antalya, Turkey; "Corrected Infrared Sellmeier Coefficients for Gallium Selenide", JAP, v.98, p.093515 (2005); "Lattice Vibration of Pure and Doped GaSe", Mater. Res. Bull., v.41, p.751 (2006); "Comparison of the Layered Semiconductors by Raman and Photoluminescence Spectroscopy", JAP, v.98, p.103103 (2005); "Electronic Structure of the Chainlike Compound TlSe", Phys. Rev. B70, p.195118 (2004); "Anisotropy of Optical Absorption in GaSe Studied by Midinfrared Spectroscopy", JAP, v.93, p.3336 (2003); "Corrected IR Sellmeier Coefficients for Gallium Selenide", JAP, v.98, p.093515 (2005).



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2. Past and present research collaborations

Are you familiar
with the European
Framework
Programme?

Yes

No

- with Framework Programme 5
 with Framework Programme 6
 with Framework Programme 7

EU-projects you are
involved in:

Past projects

Present projects

Other international
collaborations:

Name(s) and
contact details of
potential partners:

Programme title / contract number / title / acronym / your function
(coordinator / partner / contractor)

If you would like to suggest the participation of particular partners from the
partner country based on existing contacts or collaboration experience,
you are welcome to indicate their names and contact details below:

3. Presentation at the Workshop

I will give a presentation at the workshop (approx. 10 min.) to present my institution, my expertise, and my collaboration interests. The contents of my presentations is summarised below (max. 1 page).

I agree with the publication of my data on the Workshop website!

PLEASE FILL IN THIS FORM UNTIL 22 SEPT. 2006 AND RETURN IT TO:

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