



CENTER FOR LOW-COST SOLAR CELL TECHNOLOGIES IN MACEDONIA

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Project Fact Sheet



CEI Know-how Exchange Programme (KEP)

Establishing Centre for implementation of low-cost technologies for solar cells in Macedonia (CHEAP-CELL)

Sponsors



Austrian
= Development Cooperation



Graduate Student Conference: *Implementing Energy Efficiency through Renewable Energy Solutions - are Southeast European Countries on track?*
2010, 14 June, FEIT, Skopje

SOLTEC Partners



CNR-ISMN

Consiglio Nazionale delle Ricerche

Istituto per lo Studio dei Materiali Nanostrutturati

Bologna-ITALY



UKIM-FEIT

Ss Cyril and Methodius University

Faculty of Electrical Engineering and Information Technologies

Skopje-MACEDONIA

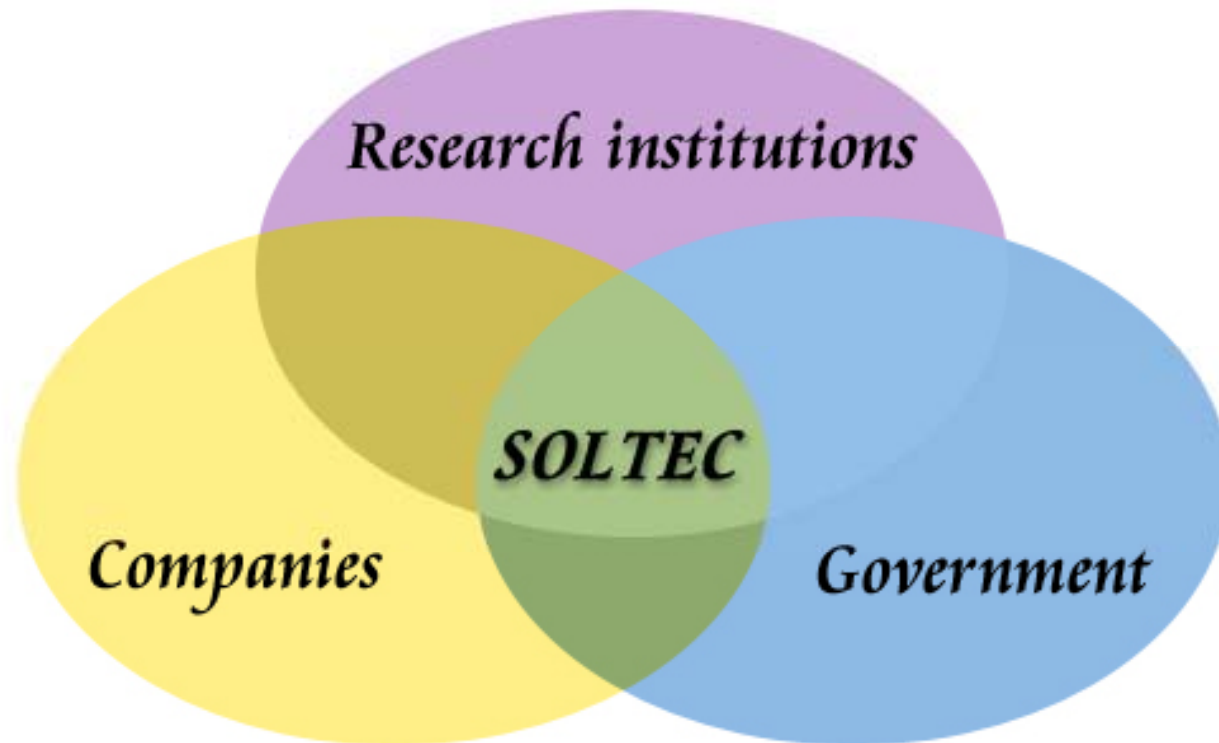


Graduate Student Conference: *Implementing Energy Efficiency through
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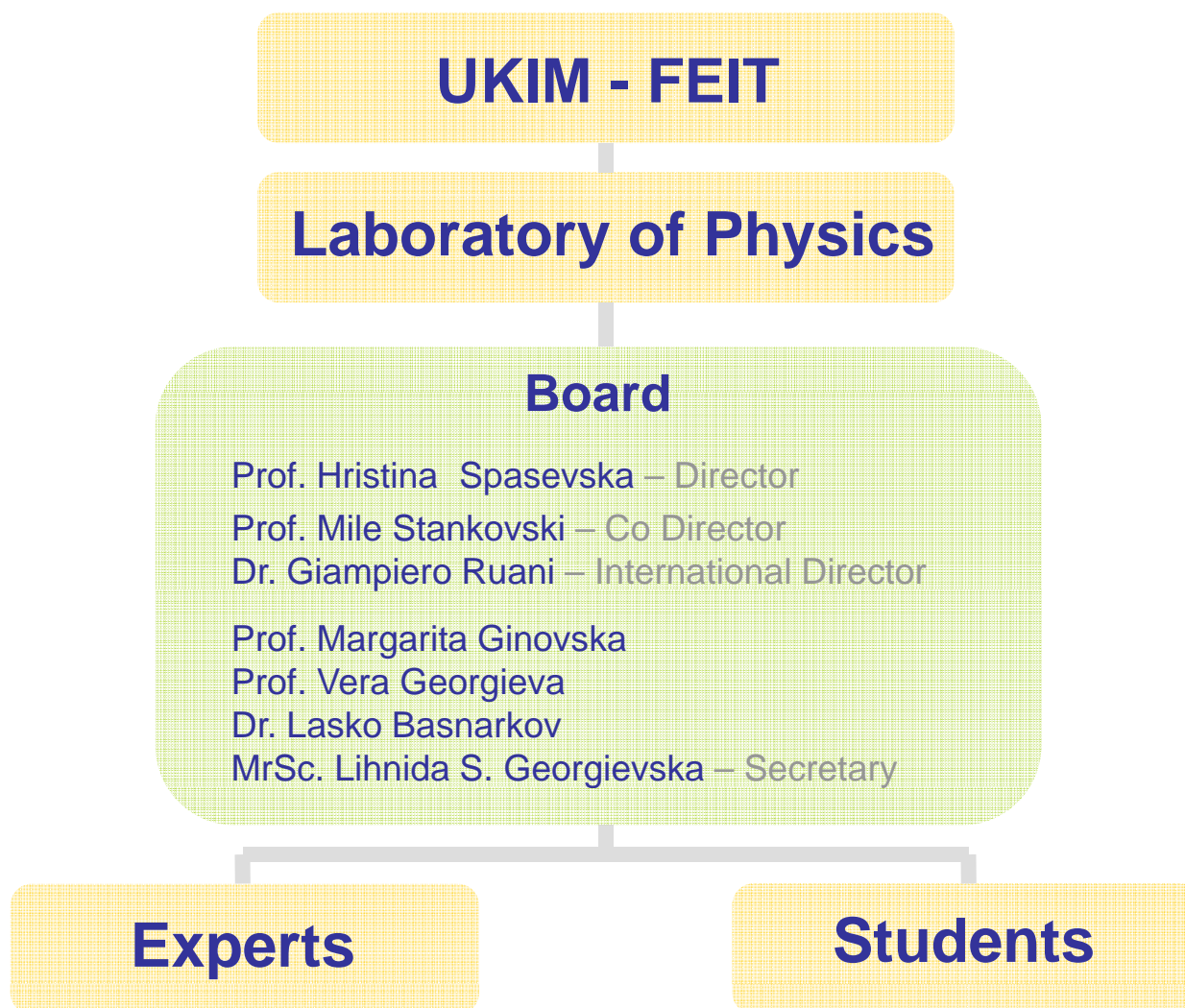
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SOLTEC Mission

*Promotion of energy efficiency and renewable energy sources,
as well as research and development of low-cost technologies for solar cells*



SOLTEC Structure



Implementation of National Strategy for EE and promotion of RES

Increasing exploitation of RES

Development of industrial and
scientific sectors working in RES

Strengthening R&D capacities
of Macedonia on SC



Development low-cost SC

Testing and characterisation of SC

Improvement of research
facilities

Reinforcement collaboration
with industrial companies

Mobilisation of human and
material resources

Transfer of knowledge from
CNR-ISMN

Strengthening network with EU
scientific institutions

SOLTEC R&D equipment

Ultrasonic Spray Pyrolysis - thin film deposition for solar cells



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SOLTEC R&D equipment

Optical Characterization

- thin films
- solar cells



SOLTEC Aim

Recognizing of the SOLTEC Centre by government, industries and research community in Macedonia and region as:

- ✓ Research and Educational Centre for implementation and developing of low-cost technologies for solar cells
- ✓ Specialized institution for promotion of energy efficiency and low-cost solar cells production technologies in Macedonia
- ✓ Mediator in communication and collaboration among scientific institutions, industrial companies in Macedonia working in the field of solar cells



SOLTEC Activities

Projects

- Research, Development, Application and Testing

Courses

- Students, Life Long Learning

Events

- Workshops, Debates, Round tables

Consulting

- Industries, Companies, NGOs, Green Jobs

<http://soltec.feit.ukim.edu.mk>



SOLTEC Activities

Training courses and seminars for SME's or public institutions:

Energy efficiency considering RES

Hybrid energy systems

Energy savings and promotion of RES in educational process

Application for IPA and other EU or international funds for
EE and RES projects – finding funds, preparation of project proposals.

<http://soltec.feit.ukim.edu.mk>



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*Thanks
for your attention.....*



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