

New trends and challenges in civil engineering education

November 24-25, 2011

Patras, Greece

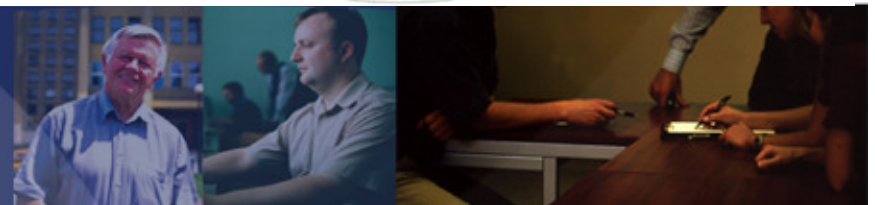


EUCEET Conference



CIVIL ENGINEERING STUDIES AT THE SILESIAN UNIVERSITY OF TECHNOLOGY ACCORDING TO THE BOLOGNA DECLARATION

Leszek SZOJDA, PhD
SILESIAN UNIVERSITY OF TECHNOLOGY
GLIWICE - POLAND



LESZEK SZOJDA

UNIVERSITY STRUCTURE

**Silesian
University
of
Technology**

**13
FACULTIES
(at present)**

ELECTRICAL ENGINEERING

MECHANICAL ENGINEERING

MATERIALS ENGINEERING AND
METALLURGY

CIVIL ENGINEERING

ARCHITECTURE

AUTOMATIC CONTROL, ELECTRONIC
AND COMPUTER SCIENCE

CHEMISTRY

MINING AND GEOLOGY

ENERGY AND ENVIRONMENTAL
ENGINEERING

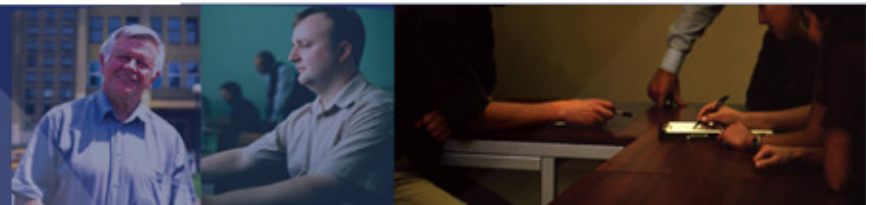
MATHEMATICS AND PHYSICS

ORGANIZATION AND MANAGEMENT

TRANSPORT

BIOMEDICAL ENGINEERING

**32 000 students
1800 scientific
and teaching
workers
300 professors**





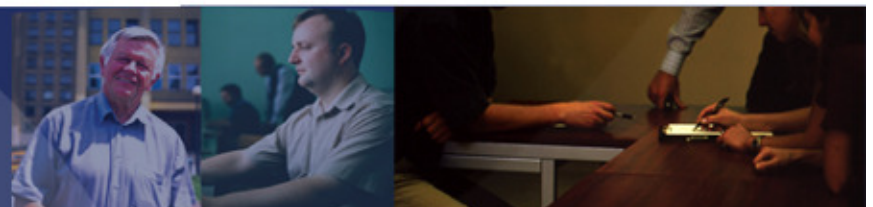
STRUCTURE OF FACULTY

GLIWICE

- DEPARTMENT OF BUILDING STRUCTURE
- DEPARTMENT OF ROADS AND BRIDGES
- DEPARTMENT OF MATERIALS ENGINEERING AND BUILDING PROCESSES
- DEPARTMENT OF THE THEORY OF BUILDING STRUCTURE
- DEPARTMENT OF STRUCTURAL BUILDING
- DEPARTMENT OF GEOTECHNIC
- DEPARTMENT OF THEORETICAL MECHANIC
- DEPARTMENT OF BUILDING AND BUILDING PHYSICS
- **LABORATORY OF CIVIL ENGINEERING FACULTY**

RYBNIK

- ENGINEERING EDUCATION CENTRE





LOCATION



GLIWICE



LESZEK SZOJDA



LOCATION



RYBNIK



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STRUCTURE OF FACULTY



Dean

Dr hab. inż. Jerzy Sękowski, prof. in Sil. Univ. of Tech.



Vice-dean for Rresearch

Prof. dr hab. inż. Andrzej Wawrzynek



Vice-dean for Students Affairs

Dr inż. Leszek Szojda



Vice-dean for Part-time Students and Industry Cooperation

Dr hab. inż. Walter Wuwer, prof. in Sil. Univ. of Tech.



LESZEK SZOJDA



STRUCTURE OF FACULTY

2300
STUDENTS

187
WORKERS

120
SCIENTIFIC AND
TEACHING
WORKERS

7
PROFESSORS

15
PhD.+ DSc.

90
PhD.

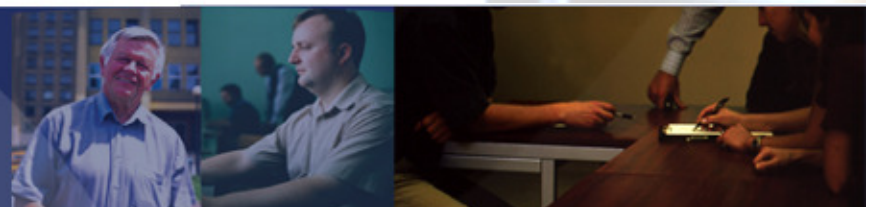


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EDUCATION SYSTEM

THREE-TIERS STUDY SYSTEM





EDUCATION SYSTEM

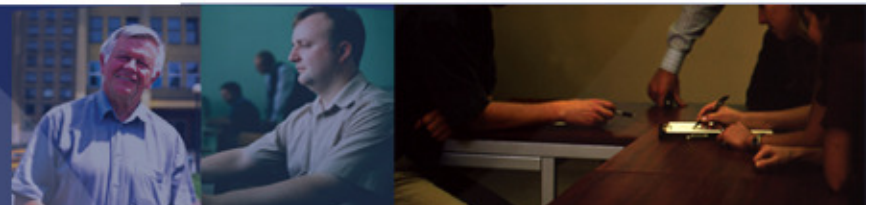
SPECIALIZATION – FIRST TIER

GLIWICE

- STRUCTURAL ENGINEERING
- BUILDING PROCESSES ENGINEERING
- TRANSPORTATION BUILDINGS AND INFRASTRUCTURE
- RAILROADS
- **STRUCTURAL ENGINEERING – English learning study (only full-time)**

RYBNIK

- CITY ENGINEERING
- CONSTRUCTION-ARCHITECTURAL (only full-time)



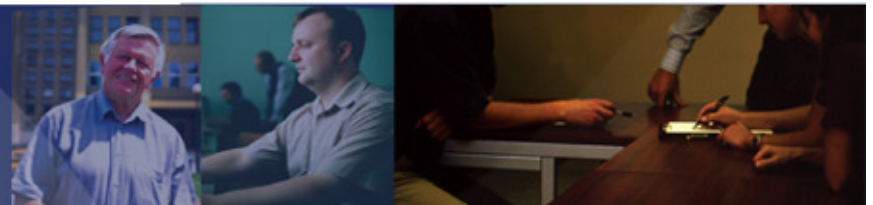


EDUCATION SYSTEM

GLIWICE

DIPLOMA PROFILE – SECOND TIER

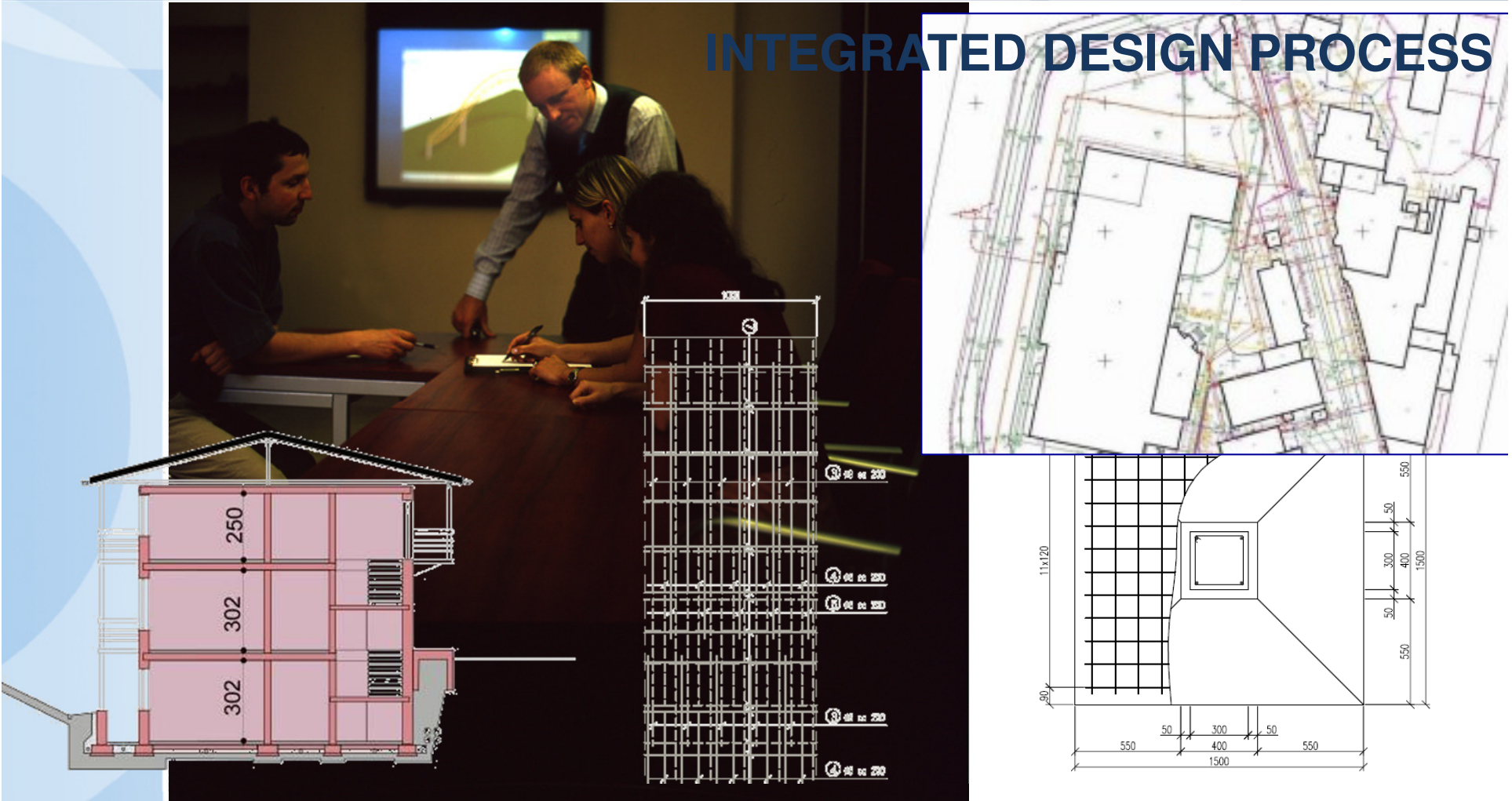
- STRUCTURAL ENGINEERING
- **STRUCTURAL ENGINEERING – English learning teaching**
 - Civil and Industrial Structures
 - Bridges
 - Geotechnic and Underground Structures
- BUILDING PROCESSES ENGINEERING
 - Ecological Buildings
 - Building Technology and Management
- TRANSPORTATION BUILDINGS AND INFRASTRUCTURE
 - Road Buildings
- RAILROADS





CONDITION OF STUDY

INTEGRATED DESIGN PROCESS



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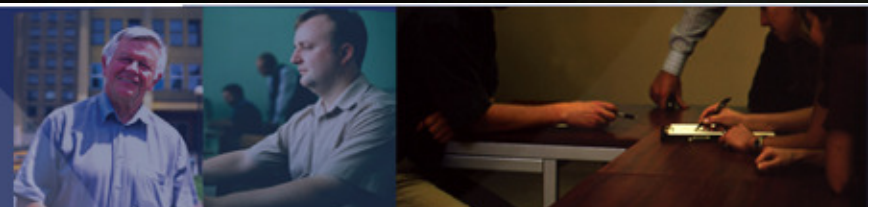


CONDITION OF STUDY

**REMOTE EDUCATION
PLATFORM**



MULTIMEDIA



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CONDITION OF STUDY

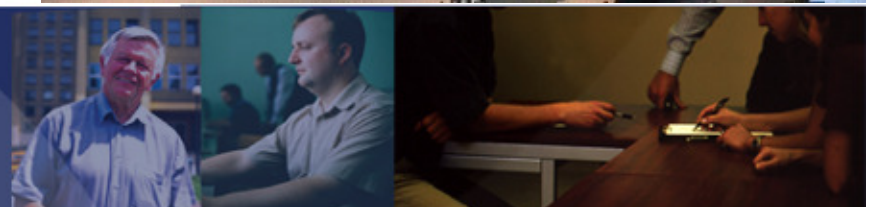
LABORATORY OF CIVIL ENGINEERING FACULTY





CONDITION OF STUDY

INDUSTRIAL PRACTICE



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RESEARCH CAREER

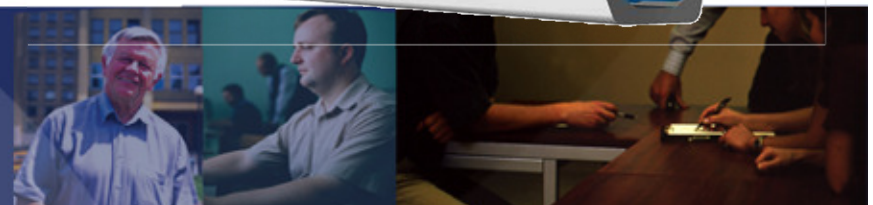
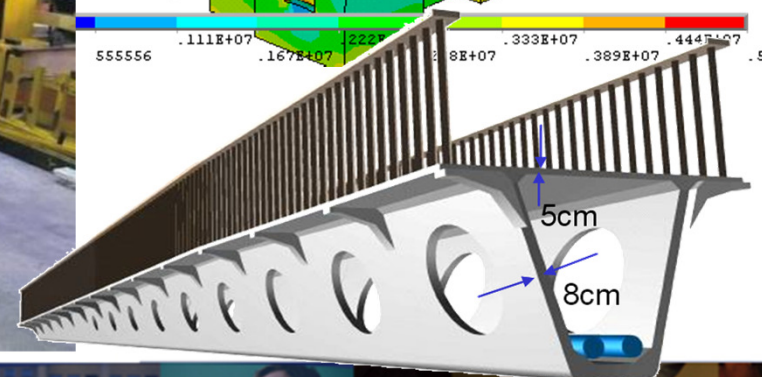
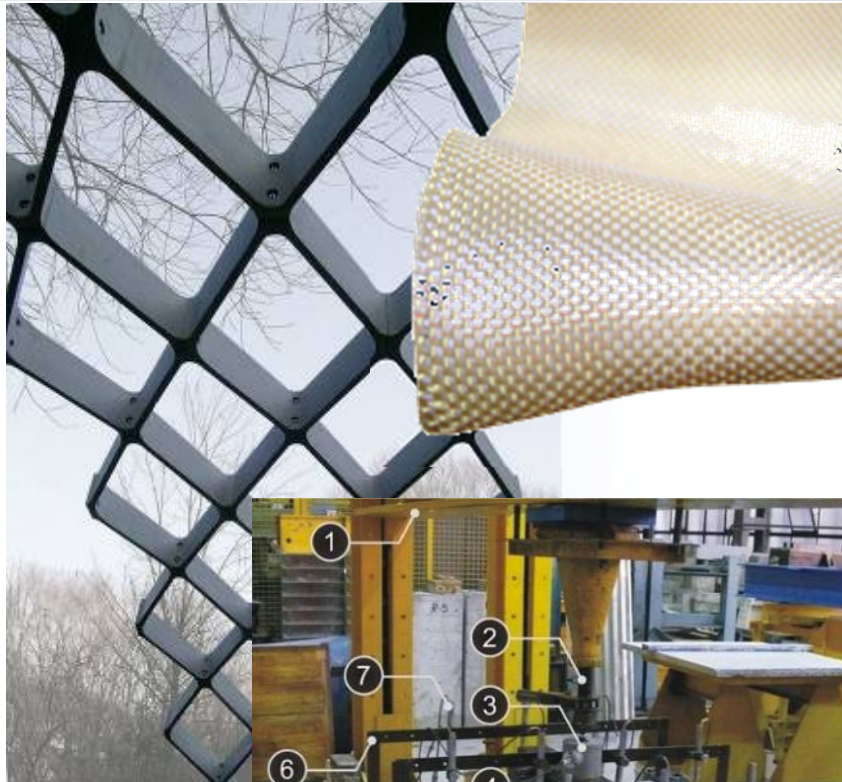
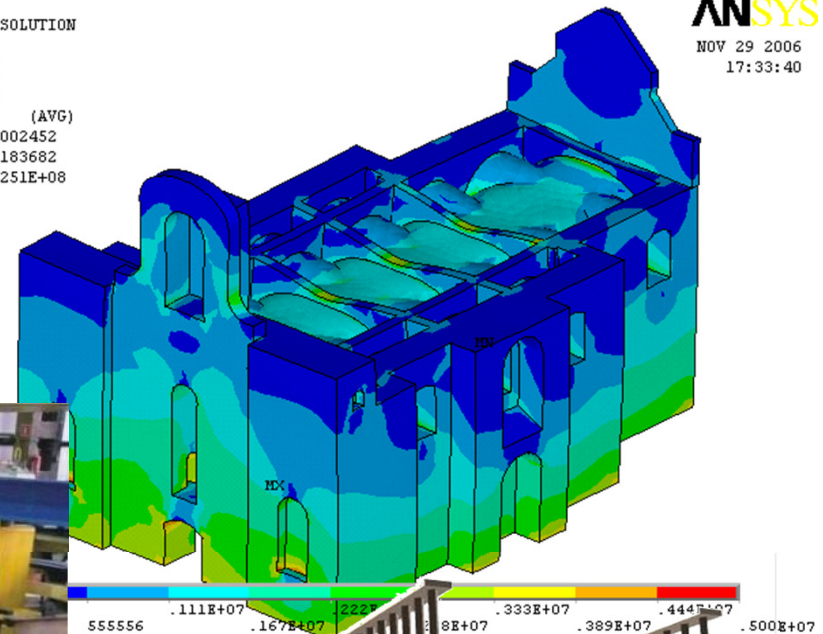
THIRD-TIER STUDY (PhD)

ANSYS

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17:33:40

MODAL SOLUTION

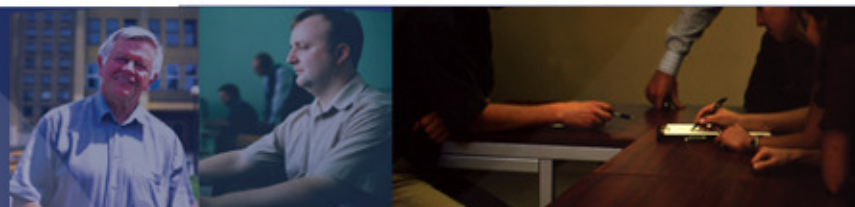
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ANK Y



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