



UNIVERSITY OF NIŠ
Nis, Serbia

Prof. Dr Zoran S. Nikolić, Vice-Rector
Prof. Dr Miroslav Trajanovic
Ass. Dusan Petkovic

Kick-off meeting

Barcelona, 3-5 March 2014

City of Niš

- Situated at the crossroads of the Balkan and European roads, connecting Asia Minor to Europe, Niš is one of the oldest cities in the Balkans, and has from ancient times been considered a gateway between the East and the West.



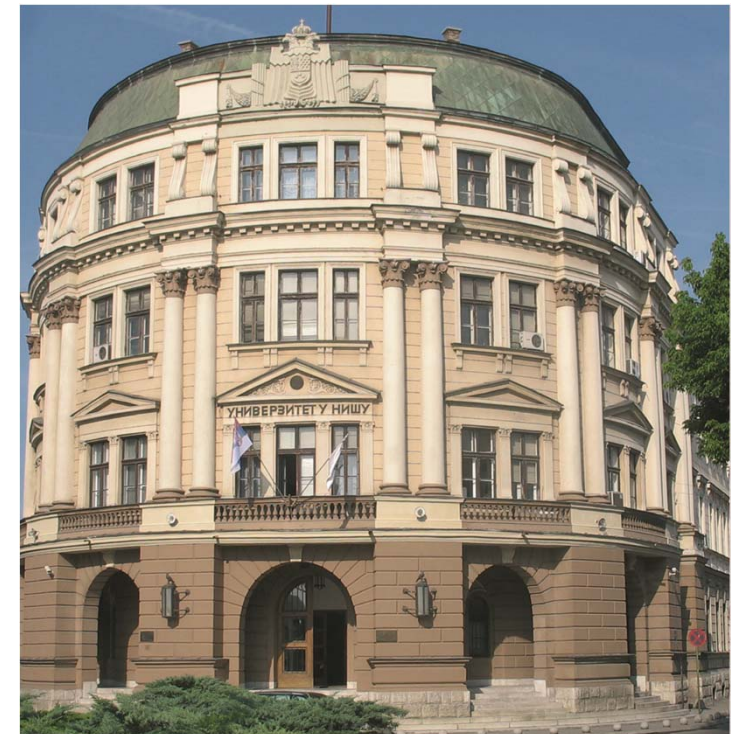
University of Nis

- Founded on June 15th 1965
- 13 faculties
- 133 accredited programmes
- 1600 teaching staff
- Developed academic community
 - Currently 27800 students at undergraduate, graduate and doctoral studies
 - More than 59000 graduated students over the past 49 years
 - Over 1500 PhD



University of Nis

- SOCIAL SCIENCES AND HUMANISTICS
 - Faculty of Economics
 - Faculty of Law
 - Teacher-Training Faculty
 - Faculty of Philosophy
 - Faculty of Sport and Physical Education
- MEDICAL SCIENCES
 - Faculty of Medicine
- ARTS
 - Faculty of Fine Arts



University of Nis

- TECHNICAL AND TECHNOLOGICAL SCIENCES
 - Faculty of Civil Engineering & Architecture
 - Faculty of Electronic Engineering
 - Faculty of Mechanical Engineering
 - Faculty of Technology
 - Faculty of Occupational Safety
- NATURAL SCIENCES AND MATHEMATICS
 - Faculty of Science and Mathematics



Group/team - overview

- 26 team members
- 4 faculties
- Good balance between experienced and young researcher

Faculty of Mechanical Engineering

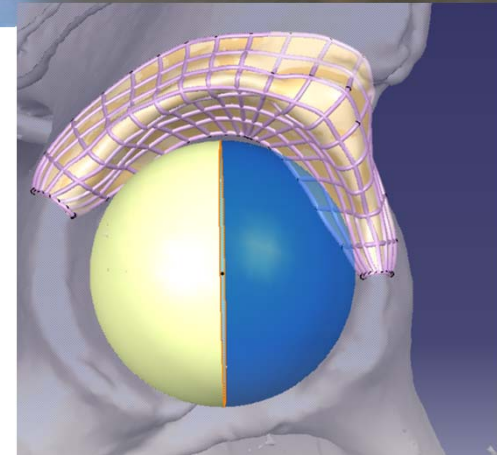
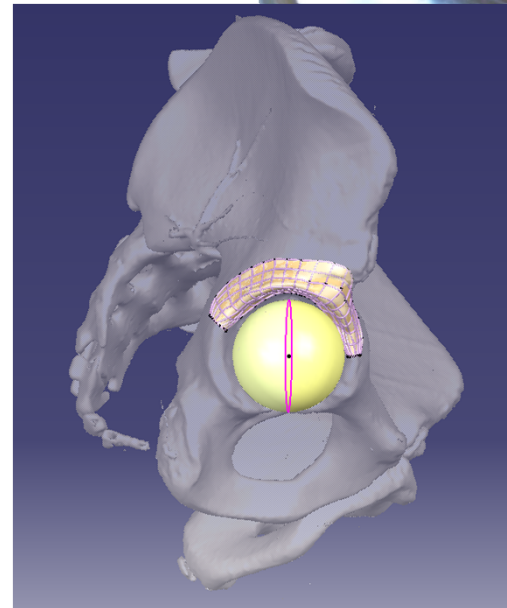
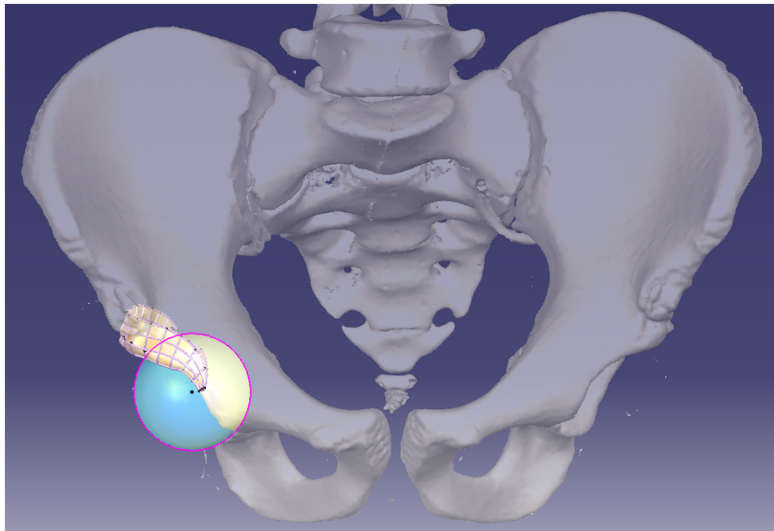
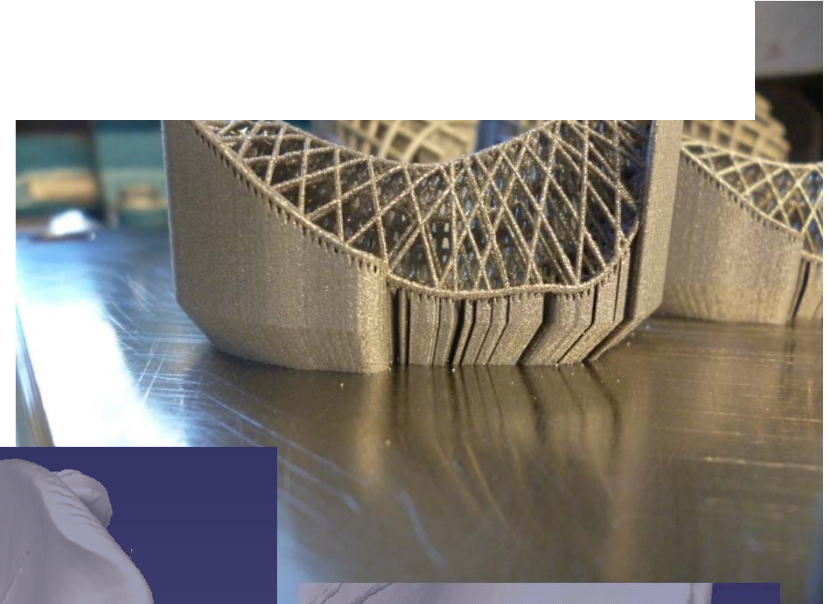
Miroslav Trajanović	Dr	Full professor, contact person
Miodrag Manić	Dr	Full professor
Miroslav Radovanović	Dr	Full professor
Saša Randelović	Dr	Associate professor
Goran Radenković	Dr	Associate professor
Dragan Mišić	Dr	Assistant professor
Jelena Manojlović	Dr	Assistant professor
Miloš Stojković	Dr	Assistant professor
Nikola Korunović	Dr	Assistant
Jelena Milovanović	MsC	Assistant
Milan Zdravković	Dr	Assistant
Nikola Vitković	Dipl.ing	Assistant
Milan Trifunović	Dipl.ing	Assistant
Milan Banić	Dipl.ing	Assistant
Dušan Petković	Dipl.ing	Assistant, team secretary

Field of expertise

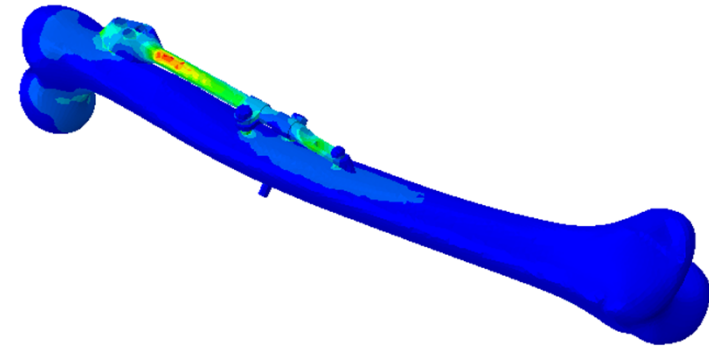
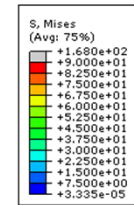
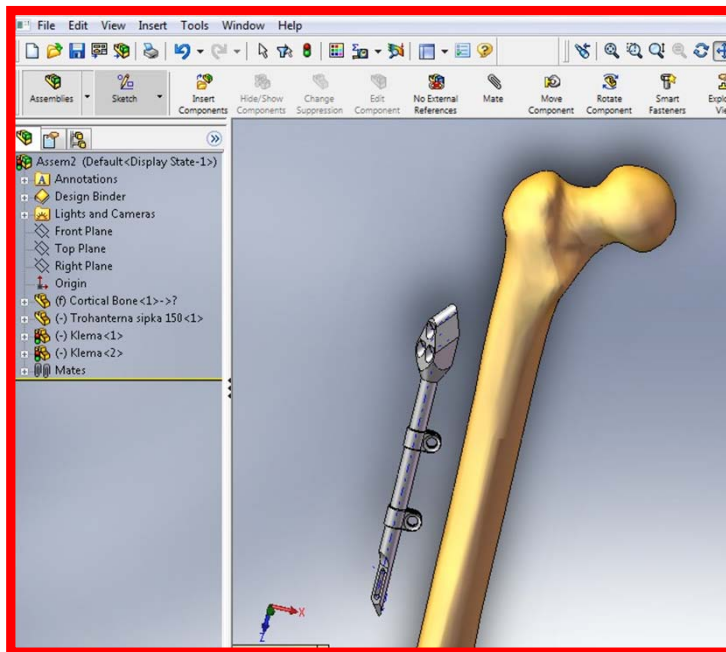
- Reverse engineering of bones
- Design and production of osteofixation devices (implants, fixators, scaffolds)
- Optimization of shape, position and binding of osteofixation devices
- Improving corrosion, wear resistance and antibacterial properties of metal osteofixation devices by deposition of coatings and passivisation
- On-going projects:
 - Virtual human osteoarticular system and its application in preclinical and clinical practice
 - Micromechanical damage and fracture criteria

Field of expertise

- Personalised scaffold

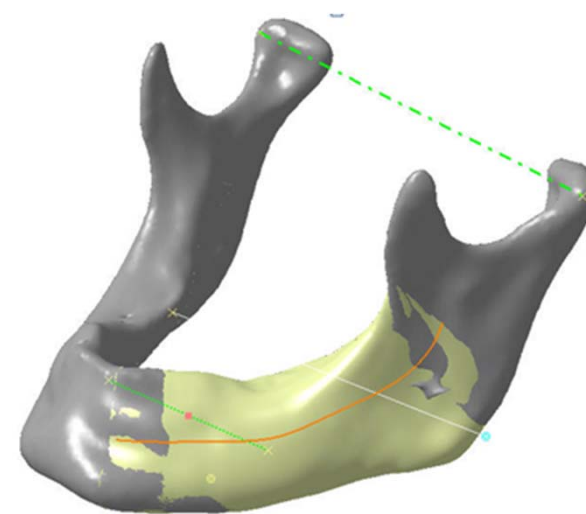
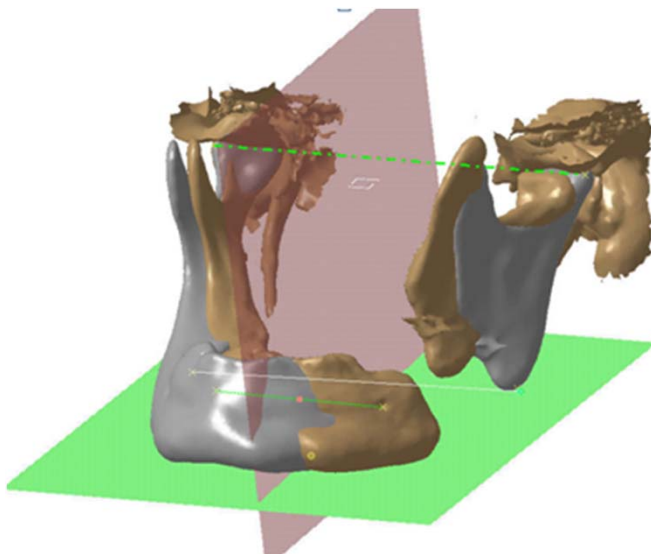


Field of expertise



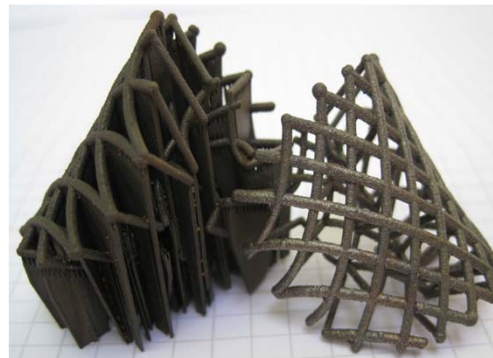
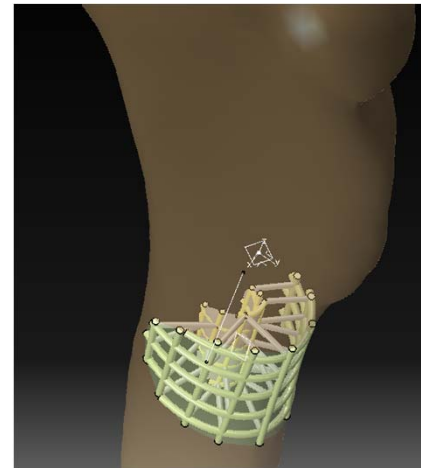
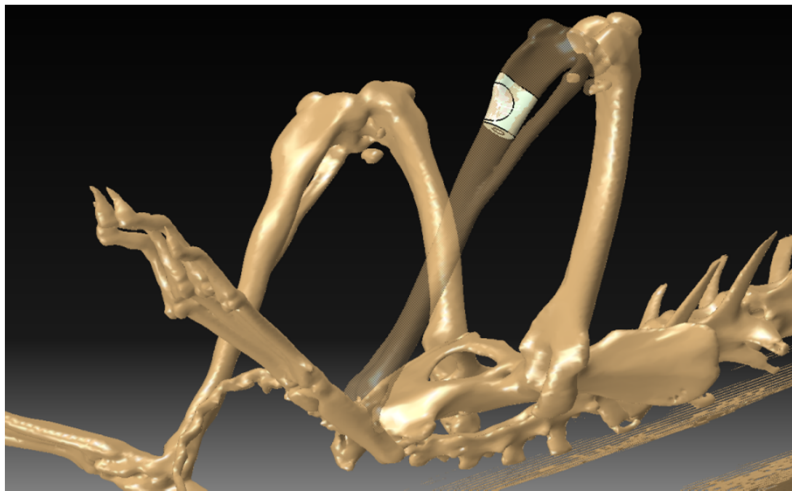
Field of expertise

- Reverse engineering – missing part of mandibula



Field of expertise

- Scaffold design and manufacturing



Faculty of Electronic Engineering

Dragan Antić	Dr	Full professor, rector
Zoran Nikolić	Dr	Full professor, vice rector
Zoran Prijić	Dr	Full professor
Vesna Paunović	Dr	Assistant professor

Field of expertise

- Advanced Materials and Technologies
- Electronics Materials and Nanoelectronics
- Sintering
- Ceramics production and characterization
- On-going projects:
 - Characterization, analysis and modeling of physical phenomena in the layers for use in MOS nanocomponents
 - Direct synthesis, structure and properties of multifunctional materials

Faculty of Medicine

Milorad Mitković	Dr	Full professor	Faculty of Medicine
Stevo Najman	Dr	Full professor	Faculty of Medicine
Zoran Marjanović	Dr	Full professor	Faculty of Medicine
Dušica Stojanović	Dr	Full professor	Faculty of Medicine
Dragoljub Živanović	Dr	Assistant professor	Faculty of Medicine
Nikola Bojović	Dr		Faculty of Medicine

Field of expertise

- Innovative osteofixation devices
- Tissue engineering
- Biocompatibility testing

Faculty of Science and Mathematics

Aleksandra Zarubica	Dr	Associate professor	Faculty of Science and Mathematics
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Field of expertise

- Production of nanomaterials

Role in the project

- Lead partner for WP1: **Identification of the current state of education, research and innovation in Partner Countries (PC) in nanotechnologies and advanced materials fields**
- To organise and distribute tasks for getting systematized data on current state of education, research and innovation in nanotechnologies and advanced materials fields, in WBC countries (RS, BA, ME)
- To point out the way for future progress.
- Also participation in other WPs

Thank you for your attention