### Silesian University of Technology (SUT), Biomedical Engineering (BE) Faculty



# Information systems in medicine

## Preliminary assumptions of new specialization within Biomedical Engineering (BE) direction:

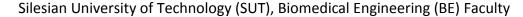
### Information systems in medicine.

with the elements of health care units management and IT project management (in cooperation with Nyenrode Business University NBU, Eindhoven University of Technology EUT, Royal Philips)

- direction: Biomedical Engineering (Faculty of BE, Silesian University of Technology),
- Bachelor degree (will be continued in future on Master and Postgraduate studies),
- > 7 semesters, 210 ECTS,
- min. 4 weeks of apprenticeships,
- language: English,
- planned start: October 2018,
- > Studies carrying out in international partnership with:
  - a) academic partners:
    - Nyenrode Business University (Netherlands) (NBU),
    - Eindhoven University of Technology (Netherlands) (EUT),
    - University of Siegen (Germany) (UoS),
    - Brno University of Technology (Czech Rep.) (BUT),
    - Clinics,
    - others
  - b) commercial partners (main, chosen):
    - Royal Philips (Netherlands) including Philips Poland,
    - others
- Recruitment: 30 students (1 student group = 2 lab./proj. sections)

#### Internationalization of new specialization:

- Internships, trainings in commercial partners e.g. Philips (bilateral agreement required)
- Transition projects as well as Bachelor's Degree Final Projects carrying out in cooperation with Philips and other partners (this proposition concerns also current Masters and PhDs project realization in the nearest future),
- Student exchange (full semesters) within Erassmus + and other programs (bilateral agreement required, sample agreement in attachment)
- Visiting Professors bidirectional exchange from/to EUT, NBU, BUT, Ostrava UT, Siegen UT
- International workshops and visits to partner's units
- Participation in biomedical conferences, fairs and other events





# Information systems in medicine

- ➤ Webinars, tele-meetings
- Optionally (depending on financial support) full semester carried out at NBU with "Management of Medical IT Projects" and "Management in Health Care Units" topics.

# **Cooperation agreements with international partners:**

- ➤ Bilateral agreement for ERASMUS+ exchange between SUT BE direction and EUT, BTU and other academic partners,
- > Frame, general agreement between SUT and NBU concerning didactic and research cooperation,
- Agreement with commercial partner Philips, concerning student's practices, internships, study visits etc.