



CZECH
TECHNICAL
UNIVERSITY
IN PRAGUE

**FACULTY OF ELECTRICAL
ENGINEERING**

DEPT. OF TELECOMMUNICATION ENGINEERING



**ITU Centre of Excellence
@ the Czech Technical
University in Prague**

Jaroslav Burcik

Czech Technical University in Prague



- Established 1707
- Edict of Joseph I, Holy Roman Emperor

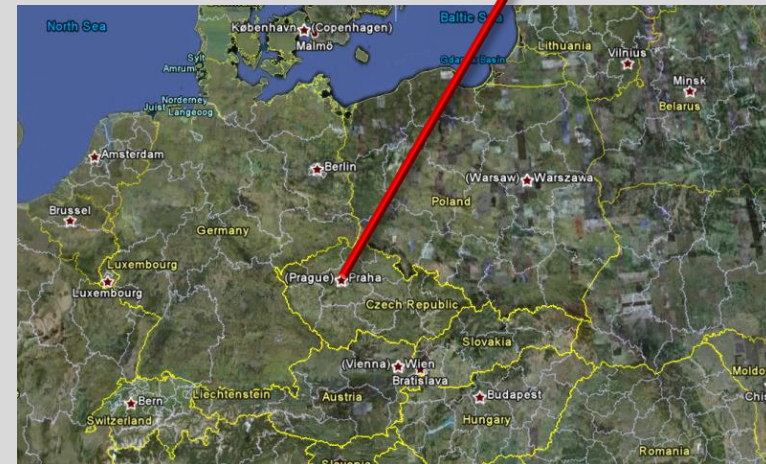


• 8 Faculties

- **Electrical Engineering** - FEE-CTU (since 1950),
ITU Academia Member of all sectors (since 2011)
- Architecture
- Biomedical Engineering
- Civil Engineering
- Information Technology
- Mechanical Engineering
- Nuclear Sciences and Physical Engineering
- Transportation Sciences



- Approximately 21.300 students
- Best engineering School in Czech Rep.



Centre of Excellence at CTU



Our goals

- Increase professionalism and raise awareness on cyber security
- Improve the environment for the promotion of cooperation between academia and the business sector

We offer

- Joint research projects
- Expert advisory
- Practice-oriented tailored courses in unique equipped laboratory

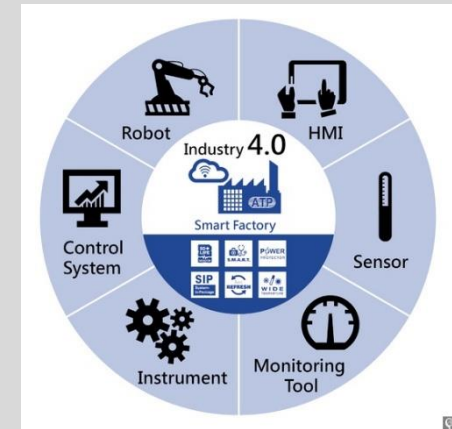


Areas of focus

- Cyber Security for Industry 4.0
- Cyber Security in Health Care

Target group

- Companies – with focus on start-ups and SMEs
- Government - Health Care sector
- Students – esp. high school students



CoE Activities



- Evening lectures (Cybercafés)
 - Focused on the general public to improve knowledge about selected aspect in cybersecurity
 - 12 cafes about 150 participants

- Trainee programme for CTU students

Centrum excellence pro kybernetickou bezpečnost

Ústav výzkumu kybernetické bezpečnosti v Praze

Pravidelný cyklus přednášek odborníků z praxe na téma kybernetické bezpečnosti

14. 03. 2016
Trendy v bezpečnosti ICT
Michal ZEDNÍČEK, ALEF NULA

21. 03. 2016
Aplicační bezpečnost
Radovan GIBALA, FS Networks

04. 04. 2016
Trendy ve vývoji malware
Jan KOPRIVA, ALEF NULA

18. 04. 2016
SIEM
ALEF NULA

02. 05. 2016
Network traffic monitoring & analysis
Pavel MINÁŘÍK, Flowmon Networks

16. 05. 2016
Profesní a kariérní rozvoj v oblasti kyberbezpečnosti
Jan GUZANIC, ThreadMark

30. 05. 2016
Dotazky a prevence útoků v síti
JITÍ GOBELA, Trend Micro

Cyber CAFE

Čas konání: 17:00 – 19:00 hod.
Místo konání: ČVUT-FEL, Technická 2, blok B2, místnost 505 – Samsung Lab
Přihlášení: www.itu.fel.cvut.cz
Kontakt: Jaroslav Burcik, burcik@itu.fel.cvut.cz

ALEF Flowmon ThreatMark IZENO SANSNET endupoint

CoE Activities



- Incentive activities

Aimed to motivate high school students to study the cybersecurity topics in depth

- Cybersecurity summer school
 - one week activity - 25 students
- Cyber security competition
 - More than 200 high schools from CR
 - More than 1000 students in 1st round

www.kybersoutez.cz
@kybersoutez
#kybersoutez
#budkyber

**Denně mi připomínaj, abych zamknul,
ale do e-bankingu se hlásej
z veřejný wifi**
dokaž, že rizika virtuálního světa
zvládáš lépe, než tví rodiče

Přihlas se
do kybernetické
soutěže

vyhrěj jednu ze skvělých cen
a kvalifikuj se do evropského kola

poznej přední odborníky na kybernetickou
bezpečnost a získáš stáž ve špičkové firmě

Jdi na www.kybersoutez.cz
a dozvíš se víc

*Podle informací v pravidlech soutěže.

Professional development



- Advisory in field of cybersecurity
- Practice-oriented courses
 - Cyber Security Awareness for SMEs
 - Cyber Security Lifecycle of the New Millennium
 - Spectrum Management Training Programme



Plan for 2017



- Face to face courses
 - Cyber Security Awareness for SMEs
 - Cyber Security Lifecycle of the New Millennium
- International summer school on Cybersecurity
- ITU Academy Spectrum Management Training Programme

ITU Spectrum Management Training Programme at CTU



Special focused course under the ITU umbrella, offering students across the globe access to state of the art holistic SM training and forward looking professional vision

- **2 semesters (1 year)**
- **Combination of face-to-face (twice of each semester), remote teaching (Moodle, on-line consultations) and self-studying**
- **Module corresponds to**
 - 4-5 weeks per module
 - 125 hours, 40 hours of classroom training
 - 30 hours of lectures
 - 10 hours of practical exercises
 - Assessment in the end of each module, internationally recognized ITU certification

Starting date: CTU Prague, February 2017



Thank you for your attention

Contacts

Ing. Jaroslav Burčík, Ph.D., Head of the Centre, burcik@fel.cvut.cz

ITU Centre of Excellence

Czech Technical University in Prague

Technická 2

160 00 Praha 6 - Dejvice

