

CYBER FIT

INTERNATIONAL SUMMER SCHOOL

PROGRAMME:

BIG DATA SECURITY

12.09.2022 – 23.09.2022

Time	Content	Responsible	Location
Monday, September 12th, 2022			
10:00-12:00	Lecture: Introduction to Big data	dr S. Hanczewski	On-line (Poznan University of Technology)
12:00-14:00	Lunch Break		
14:00-16:00	Lecture: Introduction to Big data security	dr S. Hanczewski	On-line (Poznan University of Technology)
Tuesday, September 13th, 2022			
10:00-12:00	Python	dr S. Hanczewski	On-line (Poznan University of Technology)
12:00-14:00	Lunch Break		
14:00-16:00	Fundamentals of Big Data analysis	dr S. Hanczewski	On-line (Poznan University of Technology)

Wednesday, September 14th, 2022

10:00-12:00	Symmetric vs Asymmetric Cryptography	dr A. Grocholewska-Czuryło	On-line (Poznan University of Technology)
12:00-14:00	Lunch Break		
14:00-16:00	Pseudorandomness and Hash Functions	dr A. Grocholewska-Czuryło	On-line (Poznan University of Technology)

Thursday, September 15th, 2022

10:00-12:00	Secret Sharing	dr A. Grocholewska-Czuryło	On-line (Poznan University of Technology)
12:00-14:00	Lunch Break		
14:00-16:00	Lecture: Internet of (Dangerous) Things	dr M. Szychowiak	On-line (Poznan University of Technology)

Friday, September 16th, 2022

10:00-12:00	Lecture: Application Security	dr M. Szychowiak	On-line (Poznan University of Technology)
12:00-14:00	Lunch Break		
14:00-16:00		prof. M. Głąbowski	virtual walk around Poznań and Poland Links to interesting sites

Monday, September 19th, 2022

10:00-12:00	User account security	dr M. Szychowiak	Poznan University of Technology
12:00-14:00	Lunch Break		
14:00-16:00	Process security	dr M. Szychowiak	Poznan University of Technology

Tuesday, September 20th, 2022

10:00-12:00	Filesystem security	dr M. Szychowiak	Poznan University of Technology
12:00-14:00	Lunch Break		

14:00-16:00	Filesystem security (cont.)	dr M. Szychowiak	Poznan University of Technology
17:00-20:00	Guided tour		
Wednesday, September 21th, 2022			
10:00-12:00	Modes of operations	dr A. Grocholewska-Czuryło	Poznan University of Technology
12:00-14:00	Lunch Break		
14:00-16:00	Generators, hash functions and tests	dr A. Grocholewska-Czuryło	Poznan University of Technology
Thursday, September 22th, 2022			
10:00-12:00	Shamir secret sharing algorithm	dr A. Grocholewska-Czuryło	Poznan University of Technology
12:00-14:00	Lunch Break		
14:00-16:00	Artificial Intelligence for Big Data analysis	dr S. Hanczewski	Poznan University of Technology
18:00-20:00	Sport and cultural activities		
Friday, September 23th, 2022			
10:00-12:00	Security of Big Data analysis	dr S. Hanczewski	Poznan University of Technology
12:00-14:00	Lunch		
14:00-16:00	Security of Big Data analysis	dr S. Hanczewski	Poznan University of Technology
16:00	Departure of participants		