National University of
Science and Technology
Politehnica of Bucharest

Presentation
Distributed Database Systems

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Team (I)

- Ș.L. Dr. Ing. Habil. Ciprian-Octavian Truică
  - Interests: AI, ML, DL, NLP, NLU, NLG, TSA, IR, NI, GM, DM, DBMS, BDA, etc.
  - Currently (Researcher/Lecturer):
    - Polytehnica Bucharest
    - Freie Universität Berlin
  - Former (Researcher/Lecturer)
    - Uppsala University, Sweden
    - Aarhus University, Denmark
    - FOKUS Fraunhofer Berlin, Germany
    - University of Lyon, France

- Industry:
  - EcoMetricx (Expert Affiliate)
  - SoftTehnica (CS Researcher)
  - Trieres (Software Architect)
  - BluePoint IT Solutions (Software Engineer)
  - EFG IT Shared Services (Java Programmer)

- Education
  - Ph.D. (ACS, UPB) in Text Analysis and Distributed Data Management Systems (in collaboration with University of Lyon)
  - M.Sc. in Database Administration – ACS, UPB
  - B.Sc. in Computer Science – FMI, UniBuc
  - B.Eng. in Computer Science (C4) – ACS, UPB

Team (II)

- Drd. Ing. Alexandru Petrescu

  - Interests: AI, ML, DL, NLP, NI, DBMS, Microsoft Technologies

  - Teaching Assistant: Databases II / Numerical Methods

  - Azure Cloud & AI Engineer, 7+ years

  - Microsoft MVP & Microsoft Learn Student Ambassadors

  - Education

    - PhD student in Deep Leaning and Network Immunization

    - M.Sc. in AI, thesis prepared in collaboration with Aarhus University

      - Thesis in NLP & NI

    - B.Eng. in Computer Science (C4)

      - Thesis in NLP & Information Diffusion

Team (III)

- Ing. Maria Chiper

  - Interests: AI, ML, NLP, DBMS, BDA, Cybersecurity

  - Teaching Assistant: Databases II

  - Data Engineer

  - Education:

    - M.Sc. In Data Science – FMI, Unibuc

    - B.Eng. in Computer Science (C3) – ACS, UPB

      - Thesis in NLP & Cybersecurity, prepared in collaboration with CrowdStrike

Team (IV)

- Ing. Daria-Maria Stănescu

  - Interests: Cybersecurity, DBMS, Cloud Computing, Solution Architecture

  - Teaching Assistant: Databases II

  - DevOps Engineer

  - Education:

    - M.Sc. In Advanced Cybersecurity – ACS, UPB

    - B.Eng. in Automatics (A3) – ACS, UPB

      - Thesis in Patrol monitoring using NFC

Team (V)

- Ing. Traian-Ionuț Becheru

  - Interests: AI, Cybersecurity, Ethical Hacking, DBMS

  - Teaching Assistant: Databases II

  - Software Engineer

  - Education:

    - M.Sc. In Advanced Cybersecurity (SAS)– ACS, UPB

    - B.Eng. in Automatics (A3) – ACS, UPB

      - Thesis in Cybersecurity and data cryptography.

Team (VI)

- Ing. Andrei-Mihai Cănuță

  - Interests: AI, ML, NLP, DBMS, Cloud Computing

  - Teaching Assistant: Databases II

  - Software Engineer

  - Education:

    - M.Sc. In Parallel and Distributed Systems– ACS, UPB

    - B.Eng. in Computer Science (C4) – ACS, UPB

      - Thesis in NLP & DBMS

Course Structure

- Course 1-6: PL/SQL

- Course 7-8: Microsoft SQL Server

- Course 9: Microsoft Azure (A.P.)

- Course 10: Data Warehousing & OLAP

- Course 11: Big Data

- Course 12: NoSQL Movement & Redis

- Course 13-14: MongoDB

- Course 15-17: Apache Cassandra

- Course 18-19: Information Retrieval

Laboratory Structure

- Laboratory 1-6: Oracle PL/SQL

- Laboratory 7-8: Microsoft Transact-SQL

- Laboratory 9: DB Connection

- Laboratory 10-11: MongoDB commands

- Laboratory 12: Apache Cassandra CQL

Thank you!

Questions

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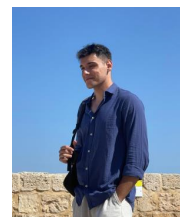As. Ing. Maria Chiper

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