Tracks for TCSCM/H18

Courses offered during 2019

Version: September 2, 2019
Choose One

- DD2421 (7.5) Machine Learning
- DT2112 (7.5) Speech technology
- DD2424 (7.5) Deep Learning in Data Science
- DT2119 (7.5) Speech and Speaker Recognition

Choose at least 7.5 credits

- DD2418 (6.0) Language Engineering
- DD2437 (7.5) Artificial Neural Networks and Deep Architectures
- DT2140 (7.5) Multimodal Interaction and Interfaces
- DD2423 (7.5) Image Analysis and Computer Vision
- DD2410 (7.5) Introduction to Robotics
- DT2150 (7.5) Project in Cognitive Systems

Figure 1: CSCS — Cognitive Systems
Choose One

DD2420 (7.5)  Probalistic Graphical Models

DD2421 (7.5)  Machine Learning

DD2424 (7.5)  Deep Learning in Data Science

DD2418 (6.0)  Language Engineering

DD2476 (9.0)  Search Engines and Information Retrieval Systems

DD2437 (7.5)  Artificial Neural Networks and Deep Architectures

DD2430 (7.5)  Project in Data Science

DD2434 (7.5)  Machine Learning, Advanced Course

DD2404 (7.5)  Applied Bioinformatics

Figure 2: CSDA — Data Science
Choose at least 15.0 credits

DH2400 (7.5) Physical Interaction Design and Realization
DH2321 (6.0) Information Visualization
DH2628 (7.5) Interaction Design Methods
DH2629 (7.5) Interaction Design as Reflective Practice
DH2632 (3.0) Human-Computer Interaction, Research Seminars
DH2631 (6.0) Information Visualization
P3 Spring 2019

P4 Spring 2019

P1 Autumn 2019

P2 Autumn 2019

DT2140 (7.5) Multimodal Interaction and Interfaces
DH2408 (6.0) Evaluation Methods in Human-Computer Interaction
DH2413 (9.0) Advanced Graphics and Interaction
DM2630 (9.0) User Experience Design and Evaluation

Figure 3: CSID — Interaction Design
Choose one

DD2363 (7.5) Methods in Scientific Computing

DD2356 (7.5) Methods in High Performance Computing

DD2365 (7.5) Advanced Computation in Fluid Mechanics

DD2437 (7.5) Artificial Neural Networks and Deep Architectures

DD2257 (7.5) Visualization

DD2444 (7.5) Project Course in Scientific Computing

Figure 4: CSSC — Scientific Computing
Figure 5: CSST — Software Technology
Choose at least 7.5 credits

- **DD2448 (7.5)** Foundations of Cryptography
- **DD2459 (7.5)** Software Reliability
- **DD2457 (6.0)** Program Semantics and Analysis
- **DD2460 (7.5)** Software Safety and Security
- **DD2372 (6.0)** Automata and Languages
- **DD2445 (7.5)** Complexity Theory
- **DD2442 (7.5)** Seminars on Theoretical Computer Science
- **DD2443 (7.5)** Parallel and Distributed Computing
- **DD2452 (7.5)** Formal Methods
- **DD2467 (7.5)** Individual Project in Theoretical Computer Science
- **DD2457 (6.0)** Program Semantics and Analysis

Not offered 2019:
- **DD2442 (7.5)** Seminars on Theoretical Computer Science
- **DD2445 (7.5)** Complexity Theory

**SF2xxx (7.5)** Any Advanced Mathematics Course

Figure 6: CSTC — Theoretical Computer Science
Choose at least 18.0 credits

DH2320 (6.0) Introduction to Visualization and Computer Graphics

DD2257 (7.5) Visualization

DD2413 (9.0) Advanced Graphics and Interaction

DD2650 (6.0) Computer Game Design

DH2321 (6.0) Information Visualization

DH2323 (6.0) Computer Graphics and Interaction

DD2470 (6.0) Advanced Topics in Visualization and Computer Graphics

Figure 7: CSVG — Visualization and Interactive Graphics