Visual Computing and Communication
EIT Digital Master Program

High Performance Computing and Networks

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Objectives and Learning Outcome

• Flexible program with an emphasis on parallel processing, GPGPU solutions, clouds, and networking
• Student will be able to develop complex, distributed applications and perform system integration
Courses

• Mandatory Courses:
  • Development of Software Applications
  • Innovation and Entrepreneurship Study

• Elective Courses:
  • High performance parallel computing + Parallel programming Lab
  • GPGPU applications
  • Cloud networking
  • Human-computer interaction
  • Mobile and Web-based software
  • Modeling and animation in 3D Studio Max
  • Sensor Networks and Applications
  • Internet services and Applications
  • Communication Technologies for Autonomous Vehicles
  • Business intelligence (data warehouses)
Industrial Partners

• Commsignia: Autonomous vehicles
• T-Systems: Telecommunication
• Ericsson: Telecommunication
• Ustream: Content streaming
• Nokia: Networks