



NEW C'EST

The beginning of IT forensics in Estonia or how the 2CENTRE Estonia started

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Chairman of European Network of Forensic Science Institutes



Project Objectives



Idea was generated @ Europol working group in June 2008.

The project was started with creating a Network of Cybercrime Centres of Excellence for Training, Research and Education, that initially consist of two national centres; in France and Ireland, and a Coordination Centre.

Each National Centre was aimed to create a partnership between LE, Industry and Academia working together to develop training programmes and qualifications as well as quality research products and tools to be used in the fight against cybercrime.

New members were encouraged to join the network during the Project. Since today the Network consists from 7 professional partner organisations.

Following the project aim - there will be a sustainable network that will be able to grow in ensuing years and create a truly global collaborative platform.

Decision making - May'2009



ESTONIAN MINISTRY OF DEFENCE

@ Cyber Security Strategy 2008 – 2013 meeting
Mrs Heli Tiirmaa-Klaar initiative, supported by:

- **Need for capacity building in order to support the Cybercrime investigations after 2007 events**
- **Available ECI financial instrument for C'EST establishment**
Directorate General of Justice, Freedom and Security
Programme "Prevention of and Fight against Crime"
Targeted call for 2010
Proposals dead-line summer 2009
- **Government financial support via Ministry of Justice**
- **Meeting in Brussels, 9/MAY/2009**



With the financial support from
the Prevention of and Fight against Crime Programme of the European Union
European Commission - Directorate-General Home Affairs

Visit to Brussels May'2009



Institute of Public Law

- Training facility
- Teaching staff
- Administrative and tutorial support for students

- Forensic evidence examination experience
- Facility & Forensic Technology
 - Computer Forensics (ISO 17025 -2010)
 - Forensic Digital Imaging Forensic
 - Speech and Audio Analysis

Academically Accredited Cybercrime Training



UNIVERSITY OF TARTU
TARTU ÜLIKOOL

2CENTRE Project start



The 1st 2Centre EC project was funded by the EC from Nov 2010 to Sep 2013 and comprised of

- ❑ a Network Coordination node
- ❑ a Centre of Excellence in Ireland (University College Dublin, CCI)
- ❑ a Centre of Excellence in France (Universities of Troyes and Montpellier)

Network in November 2014

- | | |
|-------------|---------------------|
| 1) Belgium | 8) Lithuania |
| 2) Bulgaria | 9) Scotland |
| 3) England | 10) Czeck Republic |
| 4) Estonia | 11) Slovak Republic |
| 5) Greece | 12) Poland |
| 6) Romania | 13) Bulgaria |
| 7) Spain | 14) Romania |



2nd round / Applicant 2010



TALLINN UNIVERSITY OF TECHNOLOGY

Faculties 8

Labs 21

Departments 34

Chairs 112

Centres 12

Divisions 6

Students ca 14 000

Employees ca 2000

About University	Faculties	Institutions	Research	
<ul style="list-style-type: none">» Contact» Administration» Administrative and Support Structure» History» International Cooperation	<ul style="list-style-type: none">» Faculty of Civil Engineering» Faculty of Power Engineering» Faculty of Information Technology» Faculty of Chemical and Materials Technology» Tallinn School of Economics and Business Administration» Faculty of Science» Faculty of Mechanical Engineering» Faculty of Social Sciences	<ul style="list-style-type: none">» Kuressaare College of TUT» Virumaa College of TUT» Tallinn College of TUT» Tartu College of TUT» Institute of Geology at TUT» Institute of Cybernetics at TUT» Institute of Marine Systems at TUT» Library» Certification Centre of TUT» Technomedicum of TUT	<ul style="list-style-type: none">» Research and development» Industry-Academia Cooperation <ul style="list-style-type: none">» Study at TUT» APEL	

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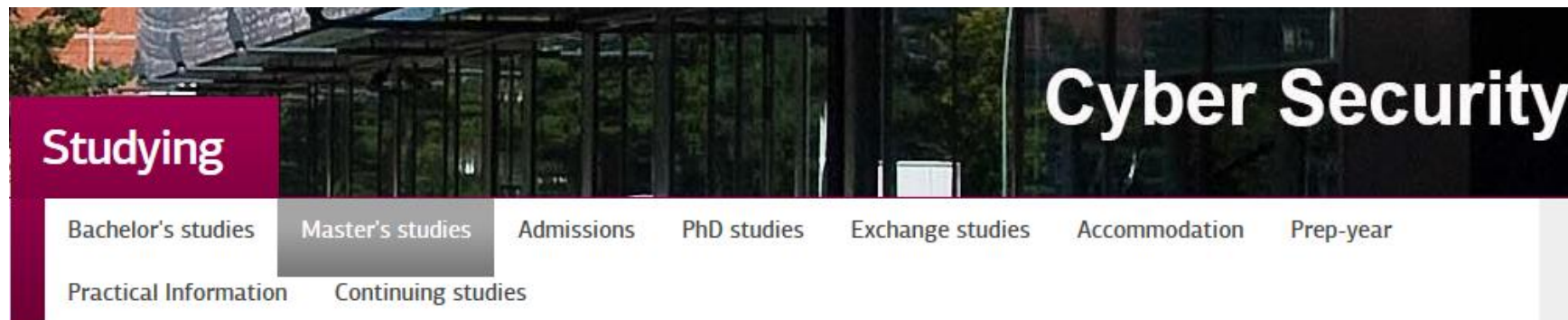
C'EST – 2012 - 2014

The C'EST EC Project in Estonia was funded by the EC from January 2012 to December 2014

- Visits to Dublin & Troyes (incl. Meeting with Brussels)
- Domestic target group engagement – kick-off meeting & annual meetings
- Survey to test the real need and focus
- 1st Trainings to Police & Boarderguard Board
- Preparation for complete training model



C'EST – final product 2014



^ Cyber Security

[READ MORE](#)

The public focus on the field of cyber security is growing around the world. Estonia is well known for its eagerness to put innovative IT solutions into everyday use. It is a pioneer in electronic identities and electronic voting and enthusiastically adopts mobile technology, online banking and electronic government services. However, with so many e-solutions and such extensive use of the internet, attention also needs to be turned to the security issue.

[Read more](#) →

^ Digital Forensics

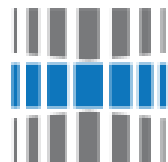
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Digital forensics is a branch of forensic science encompassing the recovery and investigation of material found in digital devices, often in relation to computer crime. The area is becoming critical for both data security and law enforcement and is involved in a complicated interplay between surveillance and counter-surveillance issues.

[Read more](#) →



C'EST synergy – 2014



TUT CENTRE OF DIGITAL FORENSICS
AND CYBER SECURITY



UNIVERSITY OF TARTU
FACULTY OF LAW



New IT LAW
Science & Training Program



IT Law @ University of Tartu

IT Law Programme

- Taught on Master's level
- To lawyers who have had at least 4 years of studies (240 ECTS credit points) in legal subjects
- In English

Taught In 3 formats:

- 1-year MA in IT Law curriculum (60 ECTS)
- Specialization in IT Law within 2-year MA in Law curriculum (120 ECTS)
- Continuing education program in IT Law (36 ECTS)

Characterized by:

- Extensive links between technical, legal and policy aspects of uses of ICTs
- Emphasis on case studies, real-life exercises, trend assessments, and problem-solving
- Instructors with both legal and technological background
- Cooperation with practitioners and experts in IT Law around the world

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<http://www.oi.ut.ee/et/uus-it-oiguse-oppe-teadusprogramm>

IT LAW



IT Law @ University of Tartu - Curriculum

Technical subjects: programming, cryptography, information security

- Fundamentals of ICT
- Information Infrastructure and Architecture
- Introduction to Programming
- Identification, Information Security and Cryptography
- Public E-services

Legal subjects: comprehensive overview of the subfields of IT law

- Privacy, Data protection and Risk Management
- E-commerce and IT Contracts
- Intellectual Property Protection in the Field of Information Technology
- Legal Steps in IPR Intensive Enterprise Life Cycle, Cyber defense and International Cyber Security,
- ICT Litigation, Electronic Evidence, Computer Forensics and Cyber Crime

Practice in IT Law: simulations and legal clinic for technology start-ups

MA Exam in IT Law: three writing assignments on current challenges in IT Law

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IT LAW



2CENTRE
Cybercrime Centres
of Excellence Network



FOR TRAINING RESEARCH AND EDUCATION



TUT CENTRE OF DIGITAL FORENSICS
AND CYBER SECURITY

Thank you!