

C³T

Centro di Competenza Cybersecurity Toscano

Giuseppe Anastasi

Università di Pisa & C³T



Thanks to Rocco De Nicola

President of C³T



CENTRO DI COMPETENZA
CYBERSECURITY TOSCANO

www.c3t.it

The CINI Cybersecurity National Lab

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- 450+ researchers
- 50+ Nodes



cini
Cybersecurity
National Lab

The Italian Cybersecurity Research Ecosystem

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Italian Inter-University Consortium
for Informatics (46 member Univ.)



Italian National Research Council
(7 Depts, 102 Institutes)



Consiglio Nazionale
delle Ricerche

Italian Inter-University Consortium for
Telecommunications (37 member Univ.)



The Italian Cybersecurity Research Ecosystem

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Italian Committee for Cybersecurity Research



Consiglio Nazionale
delle Ricerche



Italian Committee for Cybersecurity Research

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Main activities

- Community building

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Main activities

- Community building

- ITASEC National conference
- 900+ attendees



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Main activities

- Community building

- Save the date:



Italian Committee for Cybersecurity Research

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Main activities

- Community building
- Talent scouting

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Main activities

- > Community building
- > Talent scouting



**CYBER
CHALLENGE**
CyberChallenge.IT

Training program in
cybersecurity
for students from 16 to 22
years

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Main activities

- Community building
- Talent scouting



**CYBER
CHALLENGE**
CyberChallenge.IT

- 2018 edition:
 - 8 Universities involved
 - 1,900+ student registered, from high schools & BS's
 - 160 selected
 - 4 months of courses/training
 - Final CTF on June 27th

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Main activities

- Community building
- Talent scouting
- Frameworks
- National cybersecurity framework
- In cooperation with NIST (USA)
- Customizations for:
 - SMEs
 - Energy domain
 - Hospitals
 - GDPR (next December)
 - ...

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Main activities

- Community building
- Talent scouting
- Frameworks
- White Books



Italian Cyber

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Main

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The future of Cybersecurity in Italy:
Strategic focus areas

Projects and Actions to better defend our country from cyber attacks

CINI - Consorzio Interuniversitario Nazionale di Cybersecurity
Laboratorio Nazionale di Cybersecurity
per l'Informatica

Edited by:
Roberto Baldoni, Sapienza Università di Roma
Rocco De Nicola, IMT School for Advanced Studies, Lucca
Paolo Pinnetto, Politecnico di Torino



Il Futuro della Cybersecurity in Italia:
Ambiti Progettuali Strategici

Progetti e Azioni per difendere al meglio il Paese dagli attacchi informatici

CINI - Consorzio Interuniversitario Nazionale di Cybersecurity
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A cura di:
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Rocco De Nicola, IMT School for Advanced Studies, Lucca
Paolo Pinnetto, Politecnico di Torino

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Main activities

- Community building
- Talent scouting
- Frameworks
- White Books
- Education & Awareness
- MS curricula
- Continuous education
- Cyber Hygiene
- Cyber Essentials

Italian Committee for Cybersecurity Research

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One of its ultimate goals

- Contributing to setting up the Italian national network of interconnected centers, including:

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One of its ultimate goals

- Contributing to setting up the Italian national network of interconnected centers, including:
 - *Regional Centers in Cybersecurity* (Regionally Funded)
 - *Competence Centers* (Funded by the *Industry 4.0 National Plan*)
 - Network of specialized academic Cyber Ranges

A Regional Center for Cybersecurity

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Regione Toscana

CENTRO DI COMPETENZA TOSCANO CYBERSECURITY



UNIVERSITÀ
DEGLI STUDI
FIRENZE



UNIVERSITÀ DI PISA



UNIVERSITÀ
DI SIENA

- Created as a collaborative project among five research institutions in Tuscany
- After the signature of an agreement with Regione Toscana for collaborations on cybersecurity matters

Institutions involved

The activities of C3T will be accomplished by researchers from:

- Scuola IMT Alti Studi Lucca
- Dipartimento di Ingegneria dell'Informazione dell'Università di Pisa
- Dipartimento di Informatica dell'Università di Pisa
- Dipartimento di Statistica, Informatica, Applicazioni dell'Università di Firenze
- Dipartimento di Ingegneria dell'Informazione dell'Università di Firenze
- Dipartimento di Informatica e Matematica dell'Università di Firenze
- Dipartimento di Ingegneria dell'Informazione e Scienze Matematiche dell'Università di Siena
- Istituto di Informatica e Telematica del CNR di Pisa
- Istituto di Scienze e Tecnologie dell'Informazione del CNR di Pisa

Governance

- **Comitato di Indirizzo – Steering Committee**
with a delegate of the Rector/Director/President of each member institution
- **Comitato Tecnico Scientifico – Technical and Scientific Committee**
with one representative from each department/institute involved
- **Direttore – Director**
appointed by the Steering Committee and representing publicly the Centre and coordinating the activities of the two committees

C³T carries out **research and technology transfer activities** in the field of information security with the aim of **informing, raising awareness and responding to the needs of**

- **Small and medium-sized enterprises**
- **Public bodies**
- **Professionals**
- **Citizens**

on how to know, understand and react to cyber security threats

Mission - 1

- C³T offers support to Tuscan PA and SMEs for the identification of ICT vulnerabilities and threats and for the assessment and enhancement of defence capabilities on the basis of cybersecurity needs detected through a [Tuscan Observatory on Cybersecurity](#)
- C³T contributes to the development of tools to verify companies' [compliance with GDPR](#) and provides support to ensure its correct interpretation and implementation
- C³T advises on [software certification](#) services, an indispensable tool for ensuring reliability and competitiveness

Mission - 2

- C³T contributes to the preparation of **research and technology transfer projects**, in response to regional, national and European calls by member institutions and other Tuscan institutions
- C³T supports the Region of Tuscany in the **definition of funding programs** starting from the analysis of the cybersecurity needs of Public Administrations and Tuscan SMEs
- C³T collaborates with the Region of Tuscany in the preparation of **training and education programs on cybersecurity**

Questions?



Gravie