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advancing security, serving justice,  
building peace



# FIRST COMPREHENSIVE TRAINING PROGRAMME on CYBER CRIMES

»»» SCADA and NCI

## Summary

UNICRI is proud to offer a comprehensive course addressing the urgent need to improve the safety, resilience and reliability of SCADA and NCI networks.

SCADA (Supervisory Control and Data Acquisition) and NCI (National Critical Infrastructure such as nuclear facilities or the electrical grid) environments are critical to our health and life styles, yet they are notoriously difficult to secure due to the complexity of the system architectures, the communication protocols and a general need to increase the “know-how” among the traditional IT security community.

For these reasons SCADA and NCI environments are attractive targets for criminal groups or in the context of “information warfare” scenarios.

Considering the risks involved, UNICRI is offering specific tools to mitigate these threats through specific training addressing the problems. Courses will be available in a Basic 3-day format for non-technical participants, as well as in a 5-day format for a technically inclined audience.

At the end of each course, the participant will receive a certification detailing the material covered and his or her acquired skills.

## Target Audience

### *Basic level course*

SCADA vendors and operators, law enforcement officers, System and network administrators, journalists, security consultants, insurance agents, counter-terrorism experts.

### *Intermediate level course*

SCADA vendors and operators, counter-intelligence and counter-terrorism experts, journalists, governmental officers and technical advisors, independent security researchers, senior-level system or network administrators, technically-inclined law enforcement officers.

## Course Syllabus

### *Basic course sample*

- » Introduction to SCADA & NCI topics and realities, as well as examples of past incidents involving SCADA **security failures**, and the **risks involved** in failing to protect one's infrastructures;

- » Existing standards and **best practices**;
- » The **conflicting differences** between traditional IT security and SCADA/NCI security;
- » Featuring a special guest: an **inside view** from a SCADA vendor.

The 5-day *Intermediate* is addressed to a technical audience and further delves into the above, including the following:

- » Many live lab sessions showcasing both **offensive** and **defensive** techniques within a networked SCADA environment;
- » Elaboration of the difficulties involved in performing **penetration tests** against NCIs;
- » Featuring special guests, including an ethical hacker discussing the task of **hardening** a SCADA infrastructure and an expert highlighting the question of Open-source vs. SCADA.

All trainers are from @Mediaservice.net, a leading vendor-neutral security consulting company.

## Prerequisites, Equipment and Material

All participants will be required to have a solid grasp of English.

Basic-level participants are encouraged to bring a laptop or other personal computing devices in order to better enjoy and understand the course material.

Participants attending the Intermediate course will be required to have a laptop for the interactive “lab” sessions, as well as knowledge of networking and Windows & \*nix security concepts.

## Dates, Language and Fees

Level	Running Dates	Subscription Deadline	Fee
Basic	March 22 – 25, 2010	March 8, 2010	1.400 €
Intermediate	March 29 – April 2, 2010	March 16, 2010	2.500 €

All courses will be held in English for 8 hours per day, at the United Nations Campus in Turin (Italy). Lunch and regular coffee breaks will be provided, courtesy of UNICRI. A bus shuttle service will be offered every day, before and after classes.

For further information on how to apply, or questions pertaining to the training course and accommodation please consult [www.unicri.it](http://www.unicri.it) or e-mail us at [cybertraining@unicri.it](mailto:cybertraining@unicri.it)

### United Nations Interregional Crime and Justice Research Institute (UNICRI)

UNICRI provides applied research, training programmes and technical cooperation to assist intergovernmental, governmental and non-governmental organizations in formulating and implementing improved policies in the field of crime prevention and justice. UNICRI's main goals are: to advance understanding of crime related problems; to foster just and efficient criminal justice systems; to support the respect of international instruments; to facilitate international law enforcement cooperation and judicial assistance.

The current priorities include, inter alia, activities related to justice reform, prevention and control of international terrorism, transnational organised crime, illicit trafficking, cyber crimes, and crimes against the environment.

**UNICRI**  
**Viale Maestri del Lavoro, 10 - 10127 Turin - Italy**  
**Tel.: (+39) 011 6537 111 - Fax: (+39) 011 6313 368**