

2011 3rd International Conference on Cyber Conflict

(ICCC 2011)

**Tallinn, Estonia
7-10 June 2011**



**IEEE Catalog Number: CFP1126N-PRT
ISBN: 978-1-61284-245-5**

TABLE OF CONTENTS

TRACK I: CONCEPTS, STRATEGY & LAW

Congscription and Cyber Conflict: Legal Issues.....	1
<i>Susan W. Brenner, Leo L. Clarke</i>	
Cyber Security on Military Deployed Networks - A Case Study on Real Information Leakage	13
<i>Fabio Mulazzani, Salvatore A. Sarcia'</i>	
Developing an International Cooperation on Cyber Defense and Deterrence against Cyber Terrorism.....	28
<i>Murat Dogru, Adil Aslan, Eyyup Celik</i>	
"Information Troops" – A Russian Cyber Command?.....	43
<i>Keir Giles</i>	
Is the Swedish Territorial Defence Ordinance Applicable on the Fourth Arena?	59
<i>Victoria Ekstedt</i>	
Rationale and Blueprint for a Cyber Red Team Within NATO: An Essential Component of the Alliance's Cyber Forces	68
<i>Luc Dandurand</i>	
Towards Establishment of Cyberspace Deterrence Strategy.....	84
<i>Dmitri Alperovitch</i>	

TRACK II: TECHNICAL CHALLENGES & SOLUTIONS TRACK

Artificial Intelligence in Cyber Defense	92
<i>Enn Tyugu</i>	
On the Arms Race Around Botnets – Setting Up and Taking Down Botnets	103
<i>Christian Czosseck, Gabriel Klein, Felix Leder</i>	
Preserving Organizational Privacy in Intrusion Detection Log Sharing	117
<i>Hayretdin Bahsi, Albert Levi</i>	
Requirements for a Future EWS – Cyber Defence in the Internet of the Future.....	131
<i>Mario Golling, Björn Stelte</i>	
Towards Next-Generation Intrusion Detection.....	147
<i>Robert Koch</i>	
Using a Novel Behavioral Stimuli-Response Framework to Defend against Adversarial Cyberspace Participants	165
<i>Daniel Bilar, Brendan Saltaformaggio</i>	
Author Index	