

Welcome to GameSec 2010!

Welcome to 2010 Conference on
Decision and Game Theory for Security!



Tansu Alpcan

(GameSec 2010 General Chair and Steering Board Member)

*Technical University of Berlin
Deutsche Telekom Laboratories*

GameSec 2010 Overview

- The **goal** is to **fill a gap in security research** and promote new directions.
- GameSec conference aims to **bring together researchers** who aim to establish a theoretical foundation for making resource allocation decisions that balance available capabilities and perceived security risks in a principled manner.
- The conference focuses **analytical models** based on game, information, communication, optimization, decision, and control theories that are applied to **diverse security topics**.
- At the same time, the connection between theoretical models and real world security problems are emphasized to establish the important **feedback loop between theory and practice**.

GameSec 2010 Team

2010 Program Committee

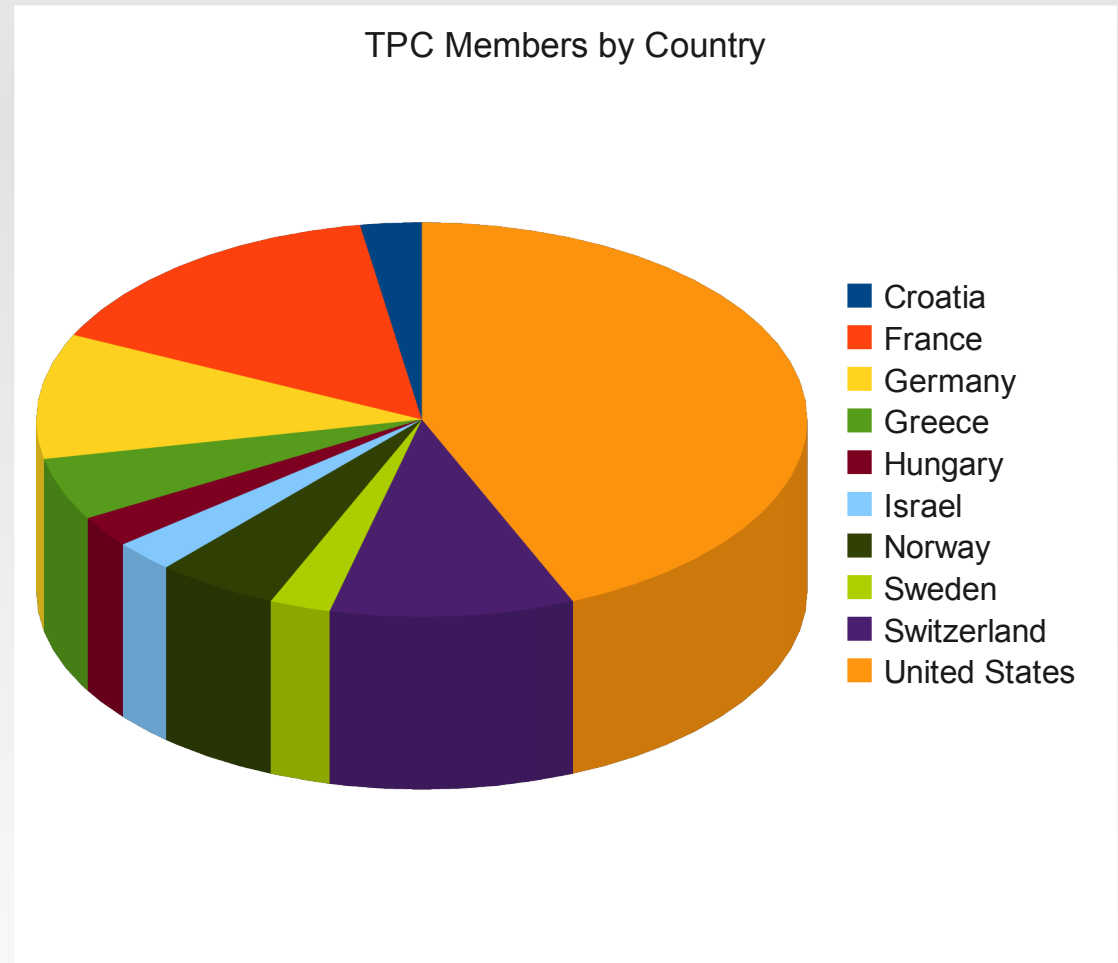
- General Chair: Tansu Alpcan (Tech. Univ. Berlin/T-Labs)
- TPC Co-Chairs:
John Baras (Univ. of Maryland)
Levente Buttyan (Budapest Univ. of Tech. & Econ.)
- Publicity Co-Chairs:
Zhu Han (Univ. of Houston)
Albert Levi (Sabanci University, Istanbul)
- Publication Chair:
Holger Boche (Tech. Univ. Munich)
- Finance and Registration Chair:
Slawomir Stanczak (Tech. Univ. Berlin/HHI)
- Local Chair:
Jean-Pierre Seifert (Tech. Univ. Berlin/T-Labs)
- Administrative Assistant:
Christine Kluge (Tech. Univ. Berlin/T-Labs)

GameSec Steering Board

- Tansu Alpcan (Tech. Univ. Berlin, Germany)
- Nick Bambos (Stanford Univ., USA)
- Tamer Başar (Univ. of Illinois at UC, USA)
- Anthony Ephremides (Univ. of Maryland, USA)
- Jean-Pierre Hubaux (EPFL, Switzerland)

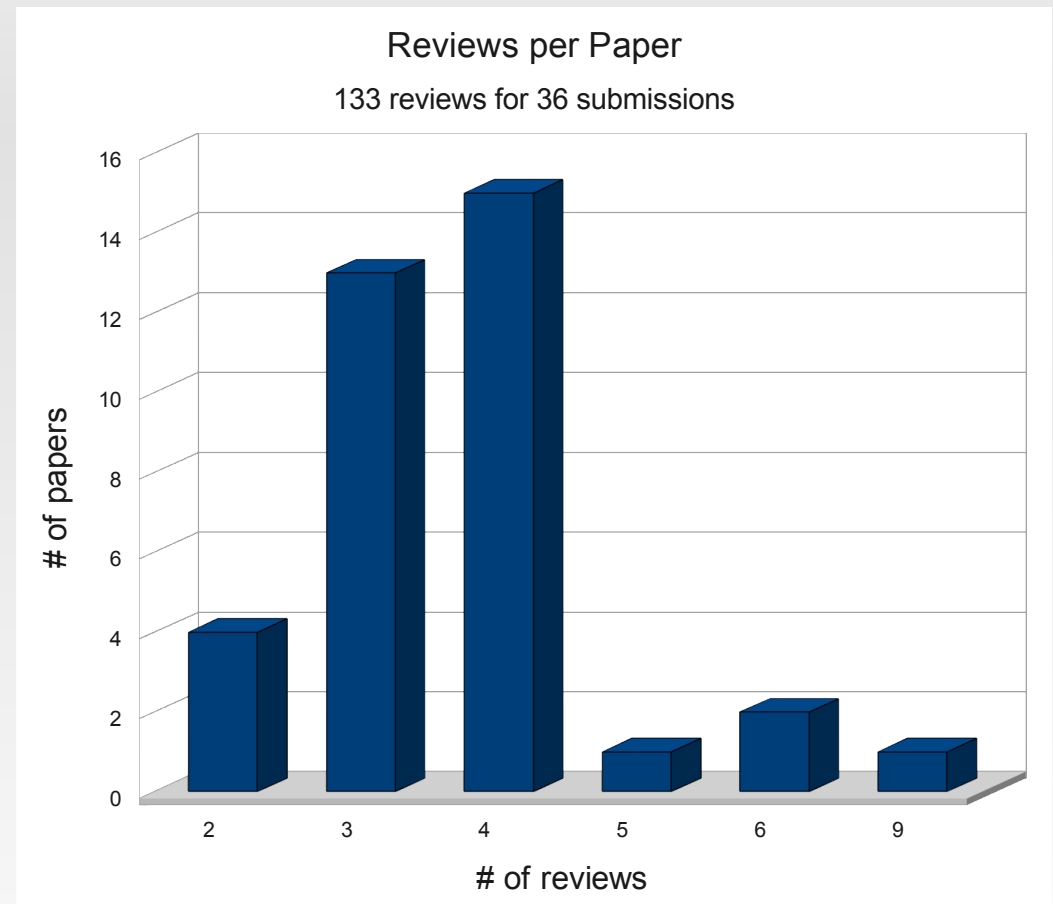
TPC members and reviewers

- **39** Distinguished TPC members
- 28 external reviewers
- 133 reviews



Submissions and Review Process

- 36 submissions
- 12 full + 6 short papers accepted
- %33 (%50) acceptance rate
- TPC co-chairs:
John Baras
Levente Buttyan
- A positive experience with EasyChair system



Geographical Statistics

country	authors	submitted	accepted	acceptance rate	PC members
Australia	4	1	1	1	
Belgium	1	0.5	0	0	
Croatia					1
Czech Republic	5	1	0	0	
Denmark	1	0.33	0	0	
Finland	1	0.5	0	0	
France	3	1.07	1.07	1	6
Germany	6	2	0	0	4
Greece	2	0.67	0	0	2
Hungary					1
India	1	1	0	0	
Israel					1
Italy	11	4	2	0.5	
Japan	1	1	0	0	
Latvia	1	1	0	0	
Luxembourg	4	1	1	1	
Netherlands	2	0.5	0.5	1	
Norway	3	2	0	0	2
Poland	2	1	0	0	
Sweden					1
Switzerland	6	2	2	1	4
Turkey	1	1	0	0	
United Kingdom	3	1	1	1	
United States	35	13.43	9.43	0.7	17

Region	Authors
Europe	52
United States	35
Australia	4
India	1
Japan	1

We need to put more effort to reach researchers in Asia!

Topics

topic	submissions	accepted	acceptance rate	PC members
Security games	21	12	0.57	11
Security of networked systems	10	5	0.5	7
Security and risk management	9	4	0.44	3
Cooperation and competition in security	8	4	0.5	8
Dynamic control of security systems	8	4	0.5	5
Human behavior and security	7	2	0.29	1
Resource allocation for security	6	4	0.67	5
Privacy and security	5	2	0.4	3
Security of Web-based services	3	3	1	4
Optimized response to malware	3	2	0.67	3
Intrusion and anomaly detection	3	1	0.33	8
Distributed learning for security	3	1	0.33	6
Reputation and trust	3		0	7
Mechanism design and incentives	2	1	0.5	8
Decentralized security algorithms	2		0	6
Information theoretic aspects of security	2		0	3
Security of social networks	1	1	1	6
Organizational aspects of risk management	1	1	1	1
Usability and security	1		0	1
Cross-layer security				5
Physical layer security in wireless networks				5
Adversarial machine learning				2
Information security and watermarking				2
Identity management				2

Underemphasized areas:

- Social networks
- Multimedia security
- Identity, reputation, trust
- Physical layer security
- Information security
- Usability and security

An Invitation to GameSec 2011



GameSec 2011

**2nd Conference on Decision
and Game Theory for Security**

General Chair: John Baras

November 14-15, 2011

**The Inn and Conference Center
University of Maryland College Park**

Maryland, USA

Enjoy GameSec 2010!

GameSec 2010 Technical Program

Time	Day 1 - Monday 22 nd	Day 2 - Tuesday 23 rd
08:30 AM	Registration	
09:00 AM	Opening	Plenary 2 – J. P. Hubaux
	Plenary 1 – Nick Bambos	Break
10:00 AM	Break	Special Talk: New NSF Initiative
11:00 AM	Session 1 Security Investments & Planning	Session 4 Network Security & Botnets
12:00 PM	Lunch Break	Lunch Break
01:00 PM	Session 2 Privacy & Anonymity	Session 5 Authorization & Authentication
02:00 PM	Break	Break
03:00 PM	Session 3 Adversarial & Robust Control	Session 6 Theory and Algorithms For Security
04:00 PM	Break	
05:00 PM	Panel Discussion	Closing
06:00 PM		