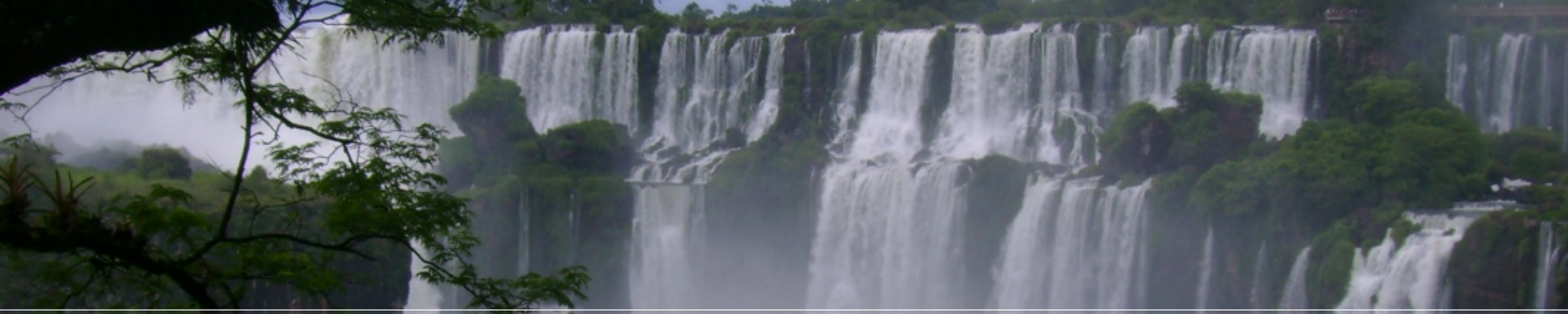

2011 IEEE Intl. Workshop on Information Forensics and Security

Foz do Iguaçu, Brazil, November 29th – December 2nd, 2011

General Chairs

Anderson Rocha
University of Campinas, Brazil

Dinei Florencio
Microsoft Research, USA

Nasir Memon
NYU-Poly, USA

Program Chairs

C.-C. Jay Kuo
USC, USA

Wade Trappe
Rutgers, USA

Opening

General Information

- It is an exciting time to be involved in research in information forensics and security
- Technology is rapidly advancing to meet the computational and communication requirements needed to solve challenges that were previously in the science fiction realm

General Information

- The IEEE Intl. Workshop on Information Forensics and Security (WIFS) has been a premier venue for researchers in information forensics and security to present the latest research results in the field
- It has also served to foster international collaboration to address the security threats facing our society

General Information

- The 2011 IEEE International Workshop on Information Forensics and Security is being held at Foz do Iguaçu, Brazil

Foz do Iguaçu, Brazil

- Recently chosen one of the new World's 7 Wonders
- Second destination most visited in Brazil
- Amazing places to visit

Strong Collaborations

Collaboration – Federal Police and its Forensic Experts Association

- This year, we are fortunate to have close partners for the organization of this workshop
- Among these partners are
  - Brazilian Association of Federal Police Forensic Experts
  - Brazilian Federal Police (DPF)

Collaboration – Federal Police and its Forensic Experts Association

- DPF counts on 1,000+ forensic experts nowadays
- 25% have Masters/PhDs
- Several knowledge areas (CS, EE, Chemistry, Bio, etc.)

Collaboration – Federal Police and its Forensic Experts Association

- How this partnership started?
- Back in 2009, DPF idealized an event to bring together researchers, experts, and practioners in face of the upcoming events in 2014 World Cup and 2016 Summer Olympics
- This event, called ICMedia will be held in 2012

Collaboration – Federal Police and its Forensic Experts Association

- As a first step for this event, the DPF joined us in a bid to bring to Brazil an important forensics meeting, WIFS
- In this partnership, we created the ICMedia Cases & Open Issues as a means to trigger important collaborations between WIFS researchers and DPF experts

Collaboration – Federal Police and its Forensic Experts Association

- Two tracks of 2011 WIFS will be dedicated to presentations from the forensic expert community in DPF
  - ICMedia Cases
  - ICMedia Open Issues
- These presentations will cover some case studies and technical open issues which are perceived as specially relevant for the solution of real life cases

Collaboration – Federal Police and its Forensic Experts Association

- These complementary events will be a great opportunity for both experts and researchers to exchange experience and make professional contacts
- We expect the association between the IFS-TC community and forensic experts working directly in the prevention and solution of crimes will lead to greater visibility and application of state-of-the-art research results

The Program

The Program

- This year we received an overwhelming submission number of 123 manuscripts
- 40 high-quality papers were selected after rigorous peer reviews

The Program

- Papers can be categorized in:
  - biometrics
  - computer and network security/forensics
  - multimedia security/forensics
  - signal processing for forensics, and
  - theoretical foundations for forensics

The Program

- We have split the workshop into several tracks consisting of papers from these core areas
- We also have included a poster session on Thursday, in which we, for the first time in WIFS, are encouraging researchers to share their work-in-progress
- This session will also have cases and demos presented by DPF Experts

Keynotes

Keynotes

- Patrick Flynn (Univ. Notre Dame)
  - Talk: *Iris Recognition: Challenges, Advances, and Generalizations*
- William Horne (HP Labs.)
  - Talk: *Cloud Security: What's New?*
- Ton Kalker (Huawei Technologies)
  - Talk: *Watermarking: Quo Vadis?*

Housekeeping

Housekeeping

- Lunch all days
- IFS-TC Meeting tonight
- Welcome reception right after
- Dinner on Thursday
- WIFS'12

A Word of Thanks

A Word of Thanks

- In closing, we thank all of the authors who submitted their manuscripts to the workshop and the reviewers who provided valuable reviews in a timely manner
- We also thank APCF and DPF people as well as everyone in IFS-TC and outside the TC for their professional assistance in organizing the conference
- Without the help of all of these people this event would not be possible

Closing

Closing

- Although much has been accomplished in the last few years in the area of information forensics and security, we hope that this workshop will serve to
  - further spur future research, and
  - help ensuring that this nascent field will continue to flourish both in theory and practice

Welcome to Brazil

2011 International Workshop on Information Forensics and Security (WIFS) Chairs

Anderson Rocha (Unicamp, Brazil)

C.-C. Jay Kuo (USC, USA)

Dinei Florencio (Microsoft Research, USA)

Nasir Memon (NYU-Poly, USA)

Wade Trappe (Rutgers, USA)

Sponsors and Partners