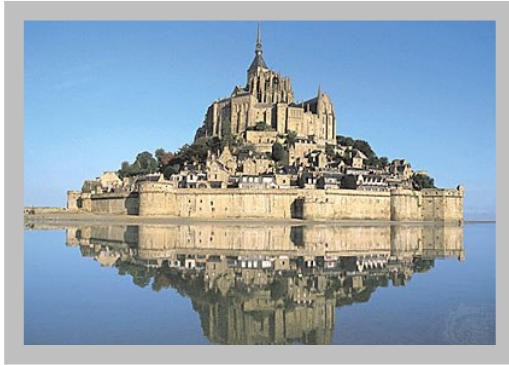


1st International Workshop on TRAFFIC ANALYSIS AND CLASSIFICATION (TRAC)



Co-Located with the 6th International Wireless Communications and Mobile Computing Conference (IWCMC 2010)

LOCATION

CAEN, France

DATES

June 28 - July 2, 2010

SPONSORED BY:

IEEE (pending)

ACM (pending)

TPC

General Chair

Christian Callegari <christian.callegari@iet.unipi.it>
University of Pisa, Italy

Sandrine Vaton <Sandrine.Vaton@telecom-bretagne.eu>
Telecom Bretagne, France

Technical Program Committee

Luca Abeni (University of Trento, Italy)
Andrea Baiocchi (University of Roma "La Sapienza", Italy)
Gennaro Boggia (Politecnico di Bari, Italy)
Thomas Michael Bohnert (SAP Research)
Pierre Borgnat (ENS Lyon, France)
Elisa Boschi (Hitachi Europe, Switzerland)
Christian Callegari (University of Pisa, Italy)
Daniele Ceccarelli (Ericsson Italia, Italy)
Denis Collange (Orange Labs, France)
Hamza Dahmouni (INPT Rabat, Morocco)
Franco Davoli (University of Genoa, Italy)
Peter Dorfinger (Salzburg Research Forschungsgesellschaft mbH, Austria)
Markus Fiedler (Blekinge Institute of Technology, Sweden)
Stefano Giordano (University of Pisa, Italy)
Sylvain Gombault (ENST Bretagne, France)
Francesco Gringoli (University of Brescia, Italy)
Jorma Kilpi (VTT Technical Research Centre of Finland, Finland)
Nelson L. S. da Fonseca (State University of Campinas, Brasil)
Gianluca Maiolini (Elsag Datamat, Italy)
Natalia Markovich (Russian Academy of Sciences, Russia)
Marco Mellia (Politecnico di Torino, Italy)
Evsey Morozov (Institute of Applied Mathematical Research, Russia)
Maurizio Naldi (University of Rome "Tor Vergata", Italy)
Saverio Niccolini (NEC Europe Ltd., Germany)
Ludovic Noirie (Alcatel-Lucent, France)
Michele Pagano (University of Pisa, Italy)
Teresa Pepe (University of Pisa, Italy)
Antonio Pescapé (University of Naples, Italy)
Adrian Popescu (Blekinge Institute of Technology, Sweden)
Fabio Ricciato (Università del Salento, Italy)
David Rincòn (Universitat Politècnica de Catalunya, Spain)
Osman Salem (Paris Descartes, France)
Fabian Schneider (TU Berlin, Germany)
Jose-Luis Sevillano (Universidad de Sevilla, Spain)
Steve Uhlig (TU Berlin/T-labs, Germany)
Rui Valadas (University of Aveiro, Portugal)
Sandrine Vaton (Telecom Bretagne)
Giacomo Verticale (Politecnico di Milano, Italy)

CALL FOR PAPERS

The evolution of the Internet in the last few years has been characterized by dramatic changes to the way users behave, interact and utilize the network.

The rapid introduction of new categories of applications such as network games and peer-to-peer, the increasing presence of malicious traffic, and the widespread use of encryption techniques, make the measurement, analysis and classification of Internet traffic a challenging task.

The research community and many network operators are responding to these changes by designing and deploying traffic measurement and classification architectures of increasing complexity.

Such activities are pivotal for researchers, developers, service managers and providers, as well as for end users involved in the evolution of the networks.

Traffic classification and analysis mechanisms belong to the wide set of tools that helps the allocation, control and management of resources in IP networks. Following the development and the evolution of Internet applications, new efficient classification techniques are highly desirable to support advanced capabilities as regards network monitoring, network resource management, anomaly detection, and network auditing.

This workshop is intended to serve as a forum for scientists and engineers in academia and industry to exchange and discuss their experiences and research results about all aspects of traffic classification and analysis.

The workshop is soliciting high quality papers discussing original and innovative experimental activities, unpublished and not currently submitted for publication elsewhere, on topics, including but not limited to, the following:

- Traffic classification algorithms and techniques
- Platforms for on-line, real-time traffic classification
- Comparisons among traffic classification techniques
- Privacy-preserving classification techniques
- Identification and classification of encrypted traffic
- Classification algorithms for anomaly detection
- Impact of sampling on network traffic classification
- Applications of traffic classification
- Data-reduction techniques for traffic traces
- Anonymization tools and their effects on traffic classification
- Interfaces and architectures for the storage of traffic traces
- Traffic measurements, analysis and modeling
- Packet classification at ultra-high link rates (terabits)
- Fast table look-up
- Internet measurements and accounting support in switches/routers
- Advanced algorithms for deep packet inspection at high speed
- High speed packet processing

PAPER SUBMISSION

Perspective authors are invited to submit using the **EDAS system** a full paper of not more than five (5) IEEE style pages including results, figures and references. Papers will be reviewed with the standard reviewing procedure. Accepted papers will be published on ACM/IEEE Digital Library (pending approval).

Paper Submission:

December 15, 2009

JANUARY 15, 2010

Notification of acceptance:

March 15, 2010

Submission of camera-ready papers:

April 1, 2010