4th International Workshop on TRaffic Analysis and Classification
TRAC 2013

Co-Located with **the International Wireless Communications and Mobile Computing Conference (IWCMC 2013)**

Sponsored by:

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CAGLIARI, Italy
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http://netserv.iet.unipi.it/trac2013

Given the success of the past editions of the workshop we are proud to announce the third edition of the Workshop.

Scope

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.

Call for Papers

The workshop is soliciting high quality papers discussing original and innovative experimental activities, unpublished and not currently submitted for publication elsewhere, on topics, including but not limited to, the following: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
- Detection, analysis, and classification of network anomalies
- Distributed algorithms for anomaly detection
- 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
- 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
- High speed packet processing

General Chairs

Christian Callegari <christian.callegari@iet.unipi.it>
University of Pisa, Italy
Sandrine Vaton <Sandrine.Vaton@telecom-bretagne.eu>
Telecom Bretagne, France

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