

Mohamad JABER

Office

INRIA Research center
Planète project-team
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PERSONAL INFORMATION

Nationality: Lebanese
Date of Birth: September 1st, 1984
Marital status: single

RESEARCH INTERESTS

- Traffic engineering and network management
- Internet anomaly detection and troubleshooting
- Large-scale Internet measurements
- Future new Internet architectures
- Machine learning algorithms

LANGUAGES

- English: Fluent
- French: Fluent
- Arabic: Native Language

EDUCATION

Ph.D. in Computer sciences

Defense Expected June 2011

- Laboratory: INRIA Sophia Antipolis
- PhD Title: Detection and troubleshooting of Internet anomalies
- Supervisors: Chadi BARAKAT and Philippe NAIN
- Funding: French ministry scholarship for PhD studies.

Master of Research in Networks and distributed systems Sept. 2007

- Université de Nice Sophia Antipolis
- Project title: Internet Traffic identification.
- First class honors

Engineering degree in Telecommunication

Sept. 2006

- Université des Pères Antonins, Lebanon
- Second class honors

PROFESSIONAL AND RESEARCH EXPERIENCE

Research Assistant INRIA Sophia Antipolis Oct.2007 - Present

Working on Internet traffic identification and Internet anomaly detection and troubleshooting

Teaching assistant PolytechNice Sophia Antipolis Oct.2007 - Present

Mathematical Logic course (20 hours teaching for 2 groups of 20 students each)
Statistics and probability course (78 hours teaching for 2 group of 20 students each)

RD Internship, Orange lab RD March - August 2007

Worked on Internet traffic identification

TECHNICAL SKILLS

Operating Systems Linux (Ubuntu and Fedora), MS Windows
Programming Languages C, C++, Java, Matlab, Gawk and Bash scripts
Very good experience in machine learning algorithms and statistical skills

ORGANIZATIONAL SKILLS

- Problem solving attitude
- Project management capacity
- Ability to work within an international team

PUBLICATIONS

- Mohamad JABER, Roberto Cascella and Chadi BARAKAT, "Using host profiling to refine statistical application identification" Submitted to the 23rd International Teletraffic Congress ITC 2011.
- Mohamad JABER, Roberto Cascella and Chadi BARAKAT, "Boosting statistical application identification by host profiling" Technical Report INRIA, Sophia Antipolis, January 2011
- Mohamad JABER, Roberto Cascella and Chadi BARAKAT, "Boosting statistical application identification by flow correlation" in proceedings of the Euro-NF International Workshop on Traffic and Congestion Control for the Future Internet, Volos greece, April 2011
- Mohamad JABER, Roberto Cascella and Chadi BARAKAT, "Can we trust the inter-packet time for traffic classification?", in proceedings of IEEE International Conference on Communications (ICC), Kyoto, Japan, June 2011.
- Mohamad JABER, Cao-Cuong NGO and Chadi BARAKAT, "A view from inside a distributed Internet coordinate system", in proceedings of the Global Internet Symposium at IEEE Infocom, San Diego, USA, March 2010.
- Mohamad JABER and Chadi BARAKAT, "Enhancing Application Identification By Means Of Sequential Testing", in proceedings of IFIP/TC6 Networking Conference, Aachen, Germany, May 2009.
- Mohamad JABER, Denis COLLANGE and Jean-Laurent COSTEUX, "Fast application identification", in WACI workshop, Cambridge, USA, October 2007.

TRAINEES

Cao Cuong NGO: Master of IFI, Vietnam
Tuan Tran THAI: Master Ubinet, France
Ali MAKKE: Master Ubinet, France

REVIEWER ACTIVITIES

Computer communication review (COMCOM), ICCCN conference 2010