

Curriculum Vitae

Benoît GROZ
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Born on February 18, 1986
French citizenship

Research

Sept. 2014–	Assistant Professor at Paris-Saclay University, LISN.
Nov. 2012– 2014	Post-doct on CrowdSourcing with Tova Milo at Tel-Aviv University.
Sept. 2008–2012	PhD Thesis at University of Lille, in the MOSTRARE team (INRIA): XML SECURITY VIEWS: QUERIES, UPDATES, AND SCHEMAS. Defended on 05/10/2012 [XPath, determinacy and query rewriting, view update problem, schema approximation, Visibly Pushdown Automata...] Related activities: - Collaboration with Sebastian Maneth on deterministic regular expressions and matching - Supervision of a bachelor student's internship.

Education

2006–2008	Master in Computer Science: MPRI joint Master between Paris 7 University, ENS and École Polytechnique with first class honours, ranked 3 rd /58
2005–2006	Bachelor of Science at ENS de Cachan with honours
2005–2008	Graduate Studies at “École Normale Supérieure de Cachan”
2003–2005	Classes Préparatoires aux Grandes Écoles: MPSI/MP* with computer science as option, Lycée Champollion, Grenoble
2003	Baccalauréat Scientifique option Mathématiques , with distinction

Internships

March–July 2008	Master research internship at LSV (ENS Cachan) supervised by Luc SEGOUFIN
March–July 2007	Research internship at ULB (Bruxelles) supervised by Jean-françois RASKIN
June–August 2006	Research internship at RWTH (Aachen), supervised by Wolfgang THOMAS

Scientific interests

Algorithms, Logics and Automata, Graph Theory, Databases, Web Technologies, Verification...

Languages

English (TOEIC: 970/990), basic German

Miscellaneous

Music: piano and pipe organ, history, lecture...

Teaching

Assistant professor (2014-...): Databases (M1,L3,L2), Datawarehouses (M2), NoSQL systems for big data (M2), Social and graph data (M2).

Teaching assistant (2008–2011): tutorials and practical works in Algorithms, Databases, Web technologies, basics of Coding Theory, and basics of Assembly.

Publications

Conference papers:

I.Boneva, B.Groz, J.Hidders, F.Murlak, S.Staworko: *Static Analysis of Graph Database Transformations*, PODS'23
B.Groz, A.Lemay, S. Staworko, P.Wieczorek: *Inference of Shape Graphs for Graph Databases*, ICDT'22
B.Groz, F.Mallmann-Trenn, C.Mathieu, V.Verdugo: *Skyline Computation with Noisy Comparisons*, IWOCA'20
B.Groz, E.Levin, I.Meilijson, T.Milo: *Filtering with the Crowd: Crowdscreen Revisited*, ICDT'16
B.Groz, T.Milo: *Skyline Queries with Noisy Comparisons*, PODS'15
G.Bagan, A.Bonifati, B.Groz: *A Trichotomy for Regular Simple Path Queries on Graphs*, PODS'13
B.Groz, S.Maneth and S.Staworko: *Deterministic Regular Expressions in Linear Time*, PODS'12
I.Boneva, B.Groz, S.Tison, A.-C. Caron, Y. Roos, and S.Staworko: *View update translation for XML*, ICDT'11
B.Groz, S.Staworko, A.-C. Caron, Y. Roos, and S. Tison: *XML Security views revisited*, DBPL'09

Recent articles:

G.Bagan, A.Bonifati, B.Groz: *A trichotomy for regular simple path queries on graphs*, JCSS'20
B.Groz, S.Maniu: *Hypervolume Subset Selection with Small Subsets.*, Evol. Comput.'19

Others:

Contribution to high school textbooks: 2nde (NST, ed.Didier), 1ère et Terminale (NSI, ed. Hachette).