adrien**friggeri**

social network analyst

about

31 rue Smith
69002 Lyon
France

adrien@friggeri.net
http://friggeri.net
fb://adrien

languages

bilingual french/english
spanish & italian notions

programming

♥ JavaScript
(ES5, node.js)
Python, C, OCaml
CSS3 & HTML5

interests

complex networks, social networks, community detection, community structure, overlapping communities, information diffusion, viral marketing, social inference, recommendation, data mining

education

since 2009	**Ph.D.** candidate in Computer Science *A Quantified Theory of Social Cohesion.*	DNET/INRIA, LIP/ÉNS de Lyon
2007–2008	**M.Sc. magna cum laude** Majoring in Computer Science Specialization in Complex Systems	IXXI, École Normale Supérieure de Lyon
2006–2007	**B.Sc. magna cum laude** Majoring in Computer Science	École Normale Supérieure de Lyon
2003–2006	**Classes Préparatoires aux Grandes Écoles** Preparation for national competitive entrance exams to leading French "grandes écoles", specializing in mathematics and physics.	Lycée Fénelon, Lycée Louis le Grand, Paris
2003	**French Baccalauréat S. with honors** Specialization in mathematics and physics	Lycée Louis le Grand, Paris

experience

02–07 2009	**LIP6/CNRS, Paris** *Visualization of complex networks.*	Research Internship.
06–08 2008	**ISCPIF/CNRS, Paris** *Diffusion in the Blogosphere. Happy Flu.*	Research Internship.
06–08 2007	**LIP6/CNRS, Paris** *Kernels in real world networks.*	Research Internship.
07–08 2005	**Kelkoo.com** *Creation of a keyword generator for Google Adwords.*	Summer job.
07–08 2004	**MonsieurPrix.com** *Development of an e-commerce product indexation spider.*	Summer job.

applications

2012	**Who did I forget ?** Guest list recommendation for Facebook events based on friends already attending the event.	whodidiforget.com
2011	**Fellows** Automatic community detection among Facebook Friends in order to validate the *cohesion* measure, creation of friend lists.	fellows-exp.com
2008	**Happy Flu** Experiment aimed to measure viral spreading of content across the blogosphere.	happyflu.com

publications

article in peer-reviewed journal

Electronic Sensors for Assessing Interactions between Healthcare Workers and Patients under Airborne Precautions
Jean-Christophe Lucet, Cédric Laouenan, Guillaume Chelius, Nicolas Veziris, Didier Lepelletier, Adrien Friggeri, Dominique Abiteboul, Elisabeth Bouvet, France Mentré, Eric Fleury
PLoS ONE *7.5 (May 2012) e37893. 2012*

Reconstructing Social Interactions Using an unreliable Wireless Sensor Network
Adrien Friggeri, Guillaume Chelius, Eric Fleury, Antoine Fraboulet, France Mentré, Jean-Christophe Lucet
Computer Communications *34.5 (Apr. 2011) pp. 609–618. Elsevier, 2011*

A Real-World Spreading Experiment in the Blogosphere
Adrien Friggeri, Jean-Philippe Cointet, Matthieu Latapy
Complex Systems *19.3 (2011). Complex Systems Publications, Inc., 2011*

peer-reviewed conferences/proceedings

Communautés : Arrêtons de ne compter que les arêtes
Adrien Friggeri, Guillaume Chelius, Eric Fleury
13es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel), 2011, Cap Estérel, France

Egomunities, Exploring Socially Cohesive Person-based Communities
Adrien Friggeri, Guillaume Chelius, Eric Fleury
NetSci 2011 The International School and Conference on Network Science, 2011, Budapest, Hongrie

Fellows: Crowd-sourcing the evaluation of an overlapping community model based on the cohesion measure
Adrien Friggeri, Guillaume Chelius, Eric Fleury
Interdisciplinary Workshop on Information and Decision in Social Networks, 2011, Cambridge, États-Unis

Fellows: Crowd-sourcing the evaluation of an overlapping community model based on the cohesion measure
Adrien Friggeri, Guillaume Chelius, Eric Fleury
Complex Dynamics of Human Interactions, 2011, Vienna, Autriche

Triangles to Capture Social Cohesion
Adrien Friggeri, Guillaume Chelius, Eric Fleury
Third IEEE International Conference on Social Computing, 2011, Cambridge, États-Unis

Trouver des communautés socialement cohésives est NP-dur
Adrien Friggeri, Guillaume Chelius, Eric Fleury
13emes journées Graphes et Algorithmes, 2011, Lyon, France

Biais dans les mesures obtenues par un réseau de capteurs sans fil
Adrien Friggeri, Guillaume Chelius
12èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel), 2010, Belle Dune, France

Electronic Sensors for Measuring Interactions between Healthcare Workers (HCWs) and Patients (Pts): the Case of Tuberculosis (TB)
Jean-Christophe Lucet, Guillaume Chelius, Cédric Laouenan, Adrien Friggeri, N. Veziris, D. Lepelletier, D. Abiteboul, Elisabeth Bouvet, Eric Fleury, France Mentré
2010 Interscience Conference on Antimicrobial Agents and Chemotherapy, 2010, Boston, États-Unis

other publications

Des triangles pour mesurer la cohésion sociale : Fellows, une expérimentation sur Facebook
Adrien Friggeri, Eric Fleury
Séminaire w2s @ La Cantine, 2011

research reports

Finding cohesive communities with C³
Adrien Friggeri, Eric Fleury
Rapport de recherche RR-7947, 2012

Egomunities, Exploring Socially Cohesive Person-based Communities
Adrien Friggeri, Guillaume Chelius, Eric Fleury
Rapport de recherche RR-7535, 2011

Triangles to Capture Social Cohesion
Adrien Friggeri, Guillaume Chelius, Eric Fleury
Rapport de recherche RR-7686, 2011

Maximizing the Cohesion is NP-hard
Adrien Friggeri, Eric Fleury
Rapport de recherche RR-7734, 2011