# adrienfriggeri

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	<b>Ph.D.</b> 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>B.Sc. magna cum laude</b> Majoring in Computer Science	École Normale Supérieure de Lyon
2003–2006	Classes Préparatoires aux Grandes Écoles Preparation for national competitive entranc écoles", specializing in mathematics and p	
2003	French Baccalauréat S. with honors Specialization in mathematics and physics	Lycée Louis le Grand, Paris

# **experience**

02–07 2009	<b>LIP6/CNRS, Paris</b> 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	<b>Kelkoo.com</b> Creation of a keyword generator for Google Adwords.	Summer job.
07–08 2004	<b>MonsieurPrix.com</b> Development of an e-commerce product indexation spider.	Summer job.

# online

2012	Who did I forget? who didiforget.com
	Guest list recommandation for Facebook events based on friends already attending the event.
2011	<b>Fellows</b> Automatic community detection among Facebook Friends in order to validate the <i>cohesion</i> measure, creation of friend lists.
2008	<b>Happy Flu</b> happyflu.com Experiment aimed to measure viral spreading of content across theblogosphere.

# **publications**

#### article in peer-reviewed journal

#### 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-revieed conference/proceedings

#### 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

#### 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, Hungary

# 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, United States

# 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, Austria

#### Triangles to Capture Social Cohesion

Adrien Friggeri, Guillaume Chelius, Eric Fleury

Third IEEE International Conference on Social Computing, 2011, Cambridge, United States

#### Trouver des communautés socialement cohésives est NP-dur

Adrien Friggeri, Guillaume Chelius, Eric Fleury

13emes journées Graphes et Algorithmes, 2011, Lyon, 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, United States

# other publications

Des triangles pour mesurer la cohésion sociale : Fellows, une expérimentation sur Facebook

Adrien Friggeri, Eric Fleury

Séminaire w2s @ La Cantine, 2011

# research report

Egomunities, Exploring Socially Cohesive Person-based Communities

Adrien Friggeri, Guillaume Chelius, Eric Fleury Research Report RR-7535, 2011

Triangles to Capture Social Cohesion

Adrien Friggeri, Guillaume Chelius, Eric Fleury Research Report RR-7686, 2011

Maximizing the Cohesion is NP-hard

Adrien Friggeri, Eric Fleury
Research Report RR-7734, 2011