

# adrienfriggeri

social network analyst

## about

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

## experience

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

## online

**2012 Who did I forget ?** whodidiforget.com  
Guest list recommendation for Facebook events based on friends already attending the event.

**2011 Fellows** fellows-exp.com  
Automatic community detection among Facebook Friends in order to validate the *cohesion* measure, creation of friend lists.

**2008 Happy Flu** happyflu.com  
Experiment aimed to measure viral spreading of content across the blogosphere.

## publications

### articles 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, Elsevier, 2011, 34 (5), pp. 609-618*

A Real-World Spreading Experiment in the Blogosphere

Adrien Friggeri, Jean-Philippe Cointet, Matthieu Latapy  
*Complex Systems, Complex Systems Publications, Inc., 2011, 19 (3)*

### peer-reviewed conference/proceedings

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, Sep 2011, Vienna, Austria.*

Triangles to Capture Social Cohesion

Adrien Friggeri, Guillaume Chelius, Eric Fleury  
*Third IEEE International Conference on Social Computing, Oct 2011, Cambridge, United States.*

Egomunities, Exploring Socially Cohesive Person-based Communities

Adrien Friggeri, Guillaume Chelius, Eric Fleury  
*NetSci 2011 The International School and Conference on Network Science, Jun 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, May 2011, Cambridge, United States.*

Communautés : Arrêtons de ne compter que les arêtes

Adrien Friggeri, Guillaume Chelius, Eric Fleury  
*Ducourthial, Bertrand et Felber, Pascal. 13es Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel), 2011, Cap Estérel, France.*

Biais dans les mesures obtenues par un réseau de capteurs sans fil

Adrien Friggeri, Guillaume Chelius  
*Maria Gradinariu Potop-Butucaru et Hervé Rivano. 12èmes Rencontres Francophones sur les Aspects Algorithmiques de Télécommunications (AlgoTel), 2010, Belle Dune, France.*

### congres communications

Trouver des communautés socialement cohésives est NP-dur

Adrien Friggeri, Guillaume Chelius, Eric Fleury  
*13emes journées Graphes et Algorithmes, Nov 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, Sep 2010, Boston, United States.*

### other publications

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

Adrien Friggeri, Eric Fleury  
*Jun. 2011. Séminaire w2s @ La Cantine*

## research report

Maximizing the Cohesion is NP-hard

Adrien Friggeri, Eric Fleury

*Research Report, 2011. RR-7734*

Triangles to Capture Social Cohesion

Adrien Friggeri, Guillaume Chelius, Eric Fleury

*Research Report, 2011. RR-7686*

Egomunities, Exploring Socially Cohesive Person-based Communities

Adrien Friggeri, Guillaume Chelius, Eric Fleury

*Research Report, 2011. RR-7535*

## press

Who Did I Forget ? Facebook Application Has The Answer

All Facebook

*January 31st, 2012*

Power of the graph : auto-fill your event guest list by quoting only one person

Wise Metrics

*January 31st, 2012*

Une expérience sociale sur Facebook : des triangles pour mesurer la cohésion sociale

Locita

*January 31st, 2012*

Fellows fait le tri parmi vos contacts Facebook

MinuteBuzz

*March 22nd, 2011*

A quoi sert votre graphe social ?

MediaSociaux.fr

*March 7th, 2011*

Fellows met de l'ordre dans vos contacts Facebook

Demain la veille

*March 2nd, 2011*

Un outil pour trier ses amis Facebook

Compagnon Parfait

*March 1st, 2011*

L'INRIA lance une expérimentation sur le réseau social Facebook

ITR Manager

*February 28th, 2011*

Sur les réseaux en ligne, les communautés s'identifient automatiquement

L'Atelier

*February 23rd, 2011*

Fellows, a Social Experiment

Social Living

*February 18th, 2011*

L'équipe DNET lance une expérimentation sur le réseau social Facebook

INRIA

*February 16th, 2011*

Fellows : une expérience sociale

ENS Lyon

*February 16th, 2011*