

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** IXXI, 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 Fénélon, 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 **ISCFIF/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.*

experiments

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