

ZeruiWANG

a Ph.D. candidate who is obsessed by robotics

about

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languages

Chinese
English

programming

C++/C
Python

education

- since 2013 **Ph.D. candidate** in Mechanical & Automation Engineering CUHK
Cumulative GPA: 3.917/4
Research interests:
Safety mechanism design in robotic surgery
Visual servoing in surgical robot
- 2009–2013 **BEng.** in Quality and Reliability Engineering Beihang University
Overall GPA: 3.84/4 (90.04/100)
Rank **1st** in School of Reliability & System Engineering
- 2012 **Exchange** in Europe TU Delft, VUB, U-PSUD, ECP, ISAE
Most selective elite delegation among students (top 0.75%)
- 2006–2009 **Senior high school student** No. 1 Middle School of Urumqi
Top 0.18% in the National College Entrance Examination
The 1st Prize in National Olympiad in Informatics
The 2nd Prize in Chinese Physics Olympiad
Nominated as Excellent Student for **three** consecutive years

Honors & Awards

- Aug. 2013 **Awardee of Hong Kong PhD Fellowship**
- Nov. 2012 **Champion of Innovative Underwater Robot Design
China Robot Contest & RoboCup Open**
- Jul. 2012 **The 2nd-Prize in National University Mechanical Innovation Competition**
(10%)
- Dec. 2010 **The 2nd-Prize in National Undergraduate Physics Competition**
(7.5%)
- Nov. 2010 **National Scholarship for University Students**
(2.6%)
- Nov. 2011 **Excellent Students Awards of Beijing**
(1.1%)
- Nov. 2011 **Elite Student of Beihang University**
(3%)
- Mar. 2012 **Outstanding Student Award, Yang Weimin Special Scholarship**
(0.8%)
- Dec. 2011 **The 2nd-Prize Scholarship of Academic Contest**
(3%)
- 2010-2012 **The 1st-Prize Scholarship of Science and Engineering Contest**
(7%)
- 2010-2012 **The 1st-Prize Scholarship of Academic Performance**
(3%)

publications

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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

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international peer-reviewed conferences/proceedings

Triangles to Capture Social Cohesion

Adrien Friggeri, Guillaume Chelius, Eric Fleury
Third IEEE International Conference on Social Computing, 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

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

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

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local peer-reviewed conferences/proceedings

Trouver des communautés socialement cohésives est NP-dur

Adrien Friggeri, Guillaume Chelius, Eric Fleury
13emes journées Graphes et Algorithmes, 2011, Lyon, 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

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*

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other publications

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

Adrien Friggeri, Eric Fleury

Séminaire w2s @ La Cantine, 2011

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research reports

Finding cohesive communities with C³

Adrien Friggeri, Eric Fleury

Rapport de recherche RR-7947, 2012

Maximizing the Cohesion is NP-hard

Adrien Friggeri, Eric Fleury

Rapport de recherche RR-7734, 2011

Triangles to Capture Social Cohesion

Adrien Friggeri, Guillaume Chelius, Eric Fleury

Rapport de recherche RR-7686, 2011

Egomunities, Exploring Socially Cohesive Person-based Communities

Adrien Friggeri, Guillaume Chelius, Eric Fleury

Rapport de recherche RR-7535, 2011