Rémy Cazabet

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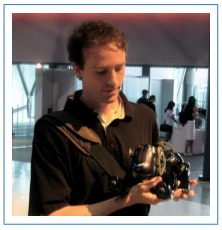
Date Of Birth: 07/09/1985



Education

2009–2012 **Ph.D. Degree**, *IRIT Lab - Toulouse University*, France.
Multi-agent Approach for dynamic networks analysis and mining. Supervisors: Frédéric Amblard

2007–2009 **M.Sc. Degree**, *Toulouse University*, France, *With High distinction*.
Computer Science - Interaction, Cooperation and Complex Systems

2003–2007 **B.Sc. Degree (Licence)**, *Toulouse University*, France, *With Highest Distinction*.
Computer Science

Research Experience

Summer 2010 **Research Internship**, *NII*, Tokyo, Japan.
(3 Months) Dynamic network analysis of a large Japanese Web 2.0 Social Network (Nico Nico Douga)

2009 **Research Internship**, *IRIT*, Toulouse, France.
(5 months) Enhance cooperation inside an organization by allowing simulated social agents to modify its structure

Teaching Experience (192h)

2011 Concepts of advanced programming (Lectures & Practicals) - 52 h.

2011 Computer tools for Management - International Management Students (Practicals in English) - 12 h.

2009-2010 Concepts of advanced programming (Practicals) - 30 h.

2009-2010 Advance use of computers for non-computer science students (Practicals) - 98 h.

Research Interests

Complex Systems, Evolving networks, Community detection,
Social Networks, Multi-Agent Systems, Network Mining

Language

French **Native**

English **Fluent** ***TOEIC: 945/990***. *Experience of work in English Speaking Environment*

Japanese **Beginner**

Prizes & Grants

2010 Best Paper Award, SIN Symposium of the 2010 IEEE International Conference on Social Computing

2010 Japanese's National Institute of Informatics grant for research internship (3 Months, 6500$)

2009 French Ministry of Research Grant for Ph.D. funding. (3 Years)

Tools & Softwares Developed And Freely Available

iLCD A dynamic community detection algorithm
`http://cazabetremy.fr/Cazabet_remy/iLCD.html`

Friend Circles Automatic detection of communities in Facebook's users' friends
`http://cazabetremy.fr/Cazabet_remy/Facebook_App.html`

Wikistory Static visualization of dynamic communities and their evolution
`http://wikistory.ilcd.eu/?id_source=101`

Network's Communities Browser Software to explore visually communities in large networks in which a global visualization is helpless
`http://cazabetremy.fr/Cazabet_remy/resources.html`

Computer Skills

Computer languages Java, Python, Objective C ,C++, Visual Basic, ...

Network's Tools iGraph, Gephi, Tulip, JUNG, Prefuse, ...

Students' Supervision

In-lab internships

2012 Verstaevel Nicolas (M.Sc): Social Simulation of the effects of disruptive events in a political campaign. (Java)

2012 Fouquet Diane (M.Sc): Simulation of social behaviors in an Izard's population to understand its evolution. (R,Netlogo)

2011 Perles Alexandre (Maitrise): Visualization of communities of friends on Facebook. (Javascript)

Students' Programming Projects

2010 5 Students team(MSc): Conception of a tool for the dynamic visualization of communities in an evolving network. (Python-Java)

2010 3 Students team(MSc): Conception of a tool for the static visualization of dynamic communities and their evolution. (Java-Javascript)

2010 4 Students team(BSc): Conception of a tool to apply community detection on Facebook's users profiles. (Java)

Research Activity

Program committee member

- SocialComNet 2012 - International Workshop on Social Computing, Network, and Services

Reviewed Papers For:

- WIAS - Web Intelligence and Agent Systems, An International Journal (2011)
- ESSA 2011 - The Seventh Conference Of The European Social Simulation Association
- SocialComNet 2011 International Workshop on Social Computing, Network, and Services
- MARAMI 2011 - Models and Networks Analysis: Mathematical and Computer Science Approaches (French Workshop)

Other

- Participate to the European Project QLectives (Quality Collectives)

Publications

[1] R. Cazabet and F. Amblard. Simulate to detect: a multi-agent system for community detection. In *Web Intelligence and Intelligent Agent Technology (WI-IAT), 2011 IEEE/WIC/ACM International Conference on*, volume 2, pages 402–408. IEEE, 2011.

[2] R. Cazabet, F. Amblard, and C. Hanachi. Detection of overlapping communities in dynamical social networks. In *Social Computing (SocialCom), 2010 IEEE Second International Conference on*, pages 309–314. IEEE, 2010. **Best Paper Award**.

[3] E. Navarro and R. Cazabet. Community detection: A comparative analysis on real-life networks. *Interaction, Intelligence, Information, an International Journal*, 2010.

[4] R. Cazabet. Extension de la rationalité d'agents collaboratifs. Master's thesis, Toulouse University, 2009.

[5] R. Cazabet and F. Amblard. Automated community detection on social networks: Useful ? efficient ? asking the users. *Wold Wide Web Conference*, 2012. **Submitted**.

[6] R. Cazabet and F. Amblard. Simulate to detect: a multi-agent system for dynamic community detection. *Web Intelligence and Agent Systems (WIAS)*, 2012. **Invited Paper from WI-IAT, Submitted.**

[7] R. Cazabet, H. Takeda, M. Hamasaki, and F. Amblard. Using dynamic community detection to identify trends in social networks. *Social Network Analysis and Mining*, 2012. **Submitted**.