

# Curriculum Vitæ

## Civil Status :

Lionel Tabourier  
Born August 18, 1981 in Versailles (France)  
Nationality : French

## Contact Information :

LIP6, University Pierre et Marie Curie  
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**Current situation (since 2014) : Associate Professor in Computer Science**  
*Complex Networks* team, LIP6 (University Pierre et Marie Curie, Paris 6)

## Career :

- 2012-2014**     **Post-Doc** in Applied Maths at the naXys (University of Namur).  
**2011-2012**     **Post-Doc** in Computer Science at the LIP6,  
University Pierre et Marie Curie (UPMC), Paris 6.  
**2010-2011**     **Teaching Assistant** (ATER) in Computer Science at the LIP6 (UPMC).  
**2009-2010**     **Engineer** at the CRÉA (École Polytechnique) for *Webfluence* research project.  
**2006-2010**     **PhD preparation** supervised by Hugues Chaté (SPEC, CEA) :  
“Comparison method of complex graphs topologies applied to social networks analysis”.  
**2006-2009**     **Trainee Teaching Assistant** in Physics at Pierre and Marie Curie University.  
**2006**             Research internship at the LIAFA (CS laboratory of Paris 7 University) :  
(April to July)     Analysis of social networks periphery (supervisor : Christophe Prieur)  
**2004**             Research internship at the LPS (Statistical Physics Laboratory of the ENS Paris) :  
(May to July)     Road traffic modeling (supervisor : Cécile Appert-Rolland)  
**2003**             Research internship at the Seismology Laboratory of the IPGP :  
(June to July)     Crack speed in earthquakes (supervisor : Pascal Favreau).

## Education :

- 2010**             **PhD Defense**, UPMC.  
**2006-2009**     Master's degree in history and philosophy of science at Paris 7 University.  
**2005-2006**     **Master's degree in statistical physics** at the ENS Lyon.  
**2005**             **Passed the ‘Agrégation de physique’**.  
**2004-2005**     Training for the ‘Agrégation de physique’ - national physics teaching qualification.  
**2002-2004**     Bachelor's Degree in general physics at the ENS Lyon.  
**2002**             **Admitted to the École Normale Supérieure de Lyon**.  
**1999-2002**     Preparatory school in physics - for the competition for the ‘Grandes Écoles’.  
**1999**             Scientific ‘Baccalauréat’, national high school diploma.

## Publications :

- **International Journals :**

- **Characterizing and predicting mobile application usage**

K.W. Lim, S. Secci, L. Tabourier and B. Tebbani.

*Computer Communications*, 2016.

- **Predicting links in ego-networks using temporal information**

L. Tabourier, A.S. Libert and R. Lambiotte.

*EPJ Data Science*, 2016.

- **Burstiness and spreading on temporal networks.**

R. Lambiotte, L. Tabourier and J.C. Delvenne.

*European Physical Journal B*, 2013.

- **Internal links and pairs as a new tool for the analysis of bipartite complex networks.**

O. Allali, L. Tabourier, C. Magnien and M. Latapy.

*Social Network Analysis and Mining*, 2013.

- **Firm-network characteristics and economic robustness to natural disasters.**

F. Henriët, S. Hallegatte and L. Tabourier.

*Journal of Economic Dynamics and Control*, 2012.

- **Intrinsically dynamic communities from evolving, directed network data.**

B. Mitra, L. Tabourier and C. Roth.

*Computer Networks*, 2012.

- **Generating constrained random graphs using multiple edge switches.**

L. Tabourier, C. Roth and J.P. Cointet.

*Journal of Experimental Algorithmics*, 2011.

- **Directedness of information flow in mobile phone communication networks.**

F. Peruani and L. Tabourier.

*PLoS ONE*, 2011.

- **Citations among blogs in a hierarchy of communities : method and case study.**

A. Salah Brahim, B. Le Grand, L. Tabourier and M. Latapy.

*Journal of Computational Sciences*, 2011.

- **International Conferences and Workshops :**

- **Ego-betweenness centrality in link streams.**

M. Ghanem, F. Coriat, L. Tabourier.

Proceedings of *SNA* (workshop *ASONAM 2017*).

- **Combining structural and dynamic information to predict activity in link streams.**

T. Arnoux, L. Tabourier and M. Latapy.

Proceedings of *FAB 2017*.

- **Impact of temporal features of cattle exchanges on the size and speed of epidemic outbreaks.**

A. Payen, L. Tabourier and M. Latapy.

Proceedings of *ICCSA 2017*, Agricultural and Environmental Big Data Analytics session.

- **RankMerging : Learning to rank in large-scale social networks.**

L. Tabourier, A.S. Libert and R. Lambiotte.

Proceedings of *DyNak II* (workshop *PKDD 2014*).

- **A data-driven analysis to question epidemic models for citation cascades on the blogosphere.**

A. Salah Brahim, L. Tabourier and B. Le Grand.

Proceedings of *ICWSM 2013*.

- **How to detect causality effects on large dynamical communication networks.**

L. Tabourier, A. Stoica and F. Peruani.

Proceedings of *Comsnets 2012*.

- **National Journals :**

- **Génération de graphes aléatoires par échanges multiples d'arêtes.**

L. Tabourier, J.P. Cointet and C. Roth.

*Journal de la Société Française de Statistique*, 2017.

- **National Conferences and Workshops :**

- **RankMerging : Apprentissage supervisé de classements pour la prédiction de liens dans les grands réseaux sociaux**

L. Tabourier, A.S. Libert and R. Lambiotte.

Proceedings of *EGC 2015*.

- **Cycles in hypergraph-based networks : signal or noise, artefacts or processes ?**

L. Tabourier, J.P. Cointet and C. Roth.

Proceedings of *Algotel 2008*.

## Miscellaneous scientific activities :

- **Research supervisions :**
  - \* **Phd students :**
    - Aurore Payen (2015-2018), co-supervision with Matthieu Latapy (LIP6).
    - Thibaud Arnoux (2015-2018), co-supervision with Matthieu Latapy (LIP6).
  - \* **Graduate students :**
    - Yekta Kesenci (May-August 2017), co-supervision with Christophe Prieur (Télécom Paris-Tech).
    - Berrenur Saylam (February-June 2016), co-supervision with Raphaël Fournier-S'niehotta (CNAM).
    - Illya Gorodensky (March-August 2015), co-supervision with Anne Fladenmuller (LIP6).
    - Clément Gastaud (May-July 2015).
  - \* **Undergraduate students :**
    - Grégoire Uhlrich-Meunier (June-July 2016).
    - Maxime Savaro (June-July 2012).
- **Reviewing activities :**
  - \* **International Journals :** Computer Communications, Computer Networks, CSON, J.R.Soc.Interface, JSAC, KAIS, Physica A, PLoS ONE, TCS, TKDD, TPDS.
  - \* **International Conferences :** NetSciCom 2011, WWW (2012, 2014, 2015).
  - \* **Jury** of the Frank Callier Award 2014 (Master dissertation award).
  - \* **Expertise** for the ANR 2013 (National Research Agency founding program).
- **Conference presentations :**
  - \* *EGC 2015*, Luxemburg, January 2015.
  - \* *DyNakII (ECML-PKDD 2014 satellite)*, Nancy (France), September 2014.
  - \* *TNETS'13 (ECCS 2013 satellite)*, Barcelona (Spain), October 2013.
  - \* *AAAI ICWSM 2013*, Cambridge (United States), July 2013.
  - \* *Journées Automnales ResCom*, Paris (France), November 2012.
  - \* *IEEE COMSNETS 2012*, Bangaluru (India), January 2012.
  - \* *NetMob 2011*, Cambridge (United States), October 2011.
  - \* *DOOCN V (ECCS 2011 satellite)*, Vienna (Austria), September 2011.
  - \* *DOOCN III (ECCS 2009 satellite)*, Warwick (England), September 2009.
  - \* *Algotel'08*, Saint-Malo (France), May 2008.
- **Invited seminars :**
  - \* *Takemura-Masuda Laboratory*, University of Tokyo (Japan), June 2013.
  - \* *naXys*, University of Namur (Belgium), October 2012.
  - \* *SAMM*, University Paris 1 Panthéon-Sorbonne (France), April 2012.
  - \* *ICTEAM*, Catholic University of Louvain (Belgium), March 2012.
  - \* *Centre de Physique Théorique*, University of Aix-Marseille (France), November 2011.
  - \* *Max Planck Institute for the Physics of Complex Systems*, Dresden (Germany), July 2011.
  - \* *LIP6*, University Paris 6 Pierre and Marie Curie, June 2010.
- **Scientific Visits :**
  - \* *Takemura-Masuda Laboratory*, University of Tokyo, Japan, June 2013.
  - \* *Max Planck Institute for the Physics of Complex Systems*, Germany, July 2011.
- **Softwares :** see <http://lioneltabourier.fr/program.html>
  - \* Source codes and user guide for *K-edge switching*, random graph with given properties generator.
  - \* Source codes and user guide for *RankMerging*, supervised learning method for link prediction.
- **Conference Organization and Program Committee Participations :**
  - \* EUSN 2016 : co-organizer of the workshop on Large Networks.
  - \* Scientific committee member : Colloque Unix en Europe (2017).
  - \* PC member : COMSNETS 2016, Social Networking workshop (COMSNETS 2017).
- **Seminar Organization :**

- \* Codes Sources (2014-2017) : <http://codesource.hypotheses.org/>
- \* Complex Networks team (2011-2012) : <http://www.complexnetworks.fr/events/>

- **Popular science** : article in French on epidemic risks (Prisme à Idées, vol. 4).

## Teaching activities :

UPMC : University Pierre and Marie Curie (Paris 6)

Subject	Level	Where	Hours	When
Network Structure and Dynamics	Graduate	UPMC	80hrs	2014-2016
Complex Networks Synchronization	Graduate	Namur University	28hrs	2012
Large Interaction Networks	Graduate	Paris 7 University	16hrs	2012
Complex Networks	Graduate	Ho-Chi-Minh City Univ.	36hrs	2011
Complex Networks	Graduate	UPMC	18hrs	2010
Introduction to Complex Networks	Undergraduate	Babes-Bolyai University	10hrs	2017
Basic Programming in C	Undergraduate	UPMC	32hrs	2017
Programming Environment	Undergraduate	UPMC	55hrs	2016-2017
Algorithmics	Undergraduate	UPMC	78hrs	2015-2016
Introduction to Databases	Undergraduate	UPMC	19hrs	2015
Basic Programming in Python	Undergraduate	UPMC	192hrs	2014-2017
Career Guidance	Undergraduate	UPMC	42hrs	2014-2015
Graph Theory	Undergraduate	Namur University	56hrs	2012-2013
Programming in C	Undergraduate	UPMC	40hrs	2011
Academic Tutoring	Undergraduate	UPMC	40hrs	2011,2014
Programming in Scheme	Undergraduate	UPMC	104hrs	2010
Thermodynamics	Undergraduate	UPMC	60hrs	2008
Optics	Undergraduate	UPMC	12hrs	2008
Physics for Medical Studies	Undergraduate	UPMC	60hrs	2007
Mechanics	Undergraduate	UPMC	60hrs	2006