



# European Curriculum Vitae

## Personal information

Surname(s) / First name(s) **Cointet, Jean-Philippe**  
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Email(s) cointet@poly.polytechnique.fr  
http://jph.cointet.free.fr  
Nationality(-ies) French  
Date of birth 29-03-1980  
Gender Male

## Current Research

Dates 2010 –  
Occupation **Researcher**  
Subject Controversies in virtual arenas - reconstruction and mapping.  
Advisor **Marc Barbier**  
Name and address of employer INRA-SenS  
IFRIS / UPEMLV, Cité Descartes, 5 boulevard Descartes,  
Champs sur Marne 77454  
Marne-la-Vallée Cedex 2

## Education and training

Dates 2005 – 2009  
Occupation **Phd Complex Systems**  
Subject Socio-semantic dynamics in knowledge communities, morphogenesis and diffusion  
Interests Social networks, Textual corpora analysis, Knowledge diffusion, Opinion dynamics, Conceptual mapping, Knowledge network morphogenesis  
Advisor **Paul Bourguine and Pierre-Benoit Joly**  
Name and address of employer Institut des Systèmes Complexes Paris Ile de France – 59, Rue Lhomond , 75005 PARIS, FR  
CREA – Center of Research in Applied Epistemology – CNRS – Ecole Polytechnique – 1 Rue Descartes, 75005 PARIS, FR  
TSV – Social and Political Transformations related to Life Sciences and Life Forms – INRA – 65 Bd. de Brandebourg - 94205 Ivry-sur-Seine Cedex, FR  
Dates 2005 – 2009  
Organization **Ecole Doctorale de l'école Polytechnique**  
Title of qualification awarded **PhD** (*"Prix de thèse de l'Ecole Polytechnique"*)  
Dates 2004 – 2005  
Principal subjects **AIV - Interdisciplinary approaches of the living**  
Organization co-ability by ENS (Ecole Normale Supérieure) and Paris VI  
Title of qualification awarded **Master Degree**

Dates	2003 – 2004
Principal subjects	<b>ENGREF</b> : Water and forest management engineering school
Organization	ENGREF – Paris, FR
Title of qualification awarded	<b>Master of Engineering</b>
Dates	2000 – 2002
Principal subjects	<b>engineering school</b> : Physics, Computer Science, Biology, Mathematics
Organization	Ecole Polytechnique – Palaiseau, FR
Title of qualification awarded	<b>Master of Engineering</b>
Level	<b>UNDERGRADUATE</b>
Dates	2002 – 2003
Principal subjects	<b>Audiovisual studies</b>
Organization	Paris I, Sorbonne – FR
Title of qualification awarded	<b>Bachelor Degree</b>

### Personal skills and competences

Mother tongue(s)	<b>French</b>
Other language(s)	English, Spanish

### Publications

#### International Journals

Title	<b>“Social and Semantic Coevolution in Knowledge Networks”.</b>
Authors	C. Roth, J.P. Cointet
Journal	Social Networks –32(1):16-29, 2009
Title	<b>“Academic team formation as evolving hypergraphs”</b>
Authors	C. Taramasco, J.P. Cointet, C. Roth
Journal	Scientometrics –Avril 2010
Title	<b>“Order-Wise Correlation Dynamics in Text Data”</b>
Authors	M. Funabashi, D. Chavalarias J.P. Cointet
Journal	Complex Networks, Springer, 161–171, 2009
Title	<b>“Bottom-up scientific field detection for dynamical and hierarchical science mapping - methodology and case study”</b>
Authors	D. Chavalarias, J.P. Cointet
Journal	Scientometrics – Vol. 75, No. 1 - April 2008
Title	<b>“Multi-level science mapping with asymmetrical paradigmatic proximity”</b>
Authors	J-P. Cointet D. Chavalarias
Journal	Network and Heterogeneous media – Vol. 3, No. 2 - June 2008
Title	<b>“How realistic knowledge diffusion networks should be?”</b>
Authors	J.P. Cointet, C. Roth
Journal	JASSS – Vol. 10, No. 3 - June 2007

Articles under review

Title **"A Real-World Spreading Experiment in the Blogosphere"**  
Authors A. Friggeri, J.P. Cointet, M. Latapy  
Journal Happyflu 2009

Title **"The Reconstruction of Science Phylogeny "**  
Authors D. Chavalarias, J.P. Cointet  
Journal Arxiv, 2009, preprint 0904.3154

International Conferences  
with proceedings and  
reviewing process

Title **"Precursors and laggards: An Analysis of Semantic Temporal Relationships on a Blog Network"**  
Authors T. Menezes, J-P. Cointet, C. Roth  
Conference IEEE SocialCom Intl Conf on Social Computing, Vancouver, Canada, Aug 2010

Title **"Local Networks, Local Topics: Structural and Semantic Proximity in Blogspace"**  
Authors J-P. Cointet, C. Roth  
Conference ICWSM 4th AAAI Intl Conf on Weblogs and Social Media, Washington, DC, USA, May 2010

Title **"Socio-semantic Dynamics in a Blog Network"**  
Authors J-P. Cointet, C. Roth  
Conference IEEE SocialCom Intl Conf on Social Computing, Vancouver, Canada, Aug 2009 - *best paper award*

Title **"Cycles in hypergraph-based networks: signal or noise, artefacts or process"**  
Authors L. Tabourier, J-P. Cointet, C. Roth  
Conference 10e rencontres francophones sur les aspects ALGOritmiques des TELécommunications– Ile d'Oléron – mai 2008

Title **"Information diffusion on realistic networks"**, *best student paper*  
Authors J.P. Cointet, C. Roth  
Conference 9th "francophone summit on algorithms for telecommunications" – Ile d'Oléron, France – May 2007

Title **"Intertemporal topic correlations in online media"**  
Authors J.P. Cointet, E. Faure, C. Roth  
Conference ICWSM : International Conference on Weblogs and Social Media – Boulder, CO, USA – March 2007

Workshops  
(abstract-based  
submissions)

Title **"Evolving hypergraphs to appraise academic team formation processes"**  
Authors C. Taramasco, J.P. Cointet, C. Roth  
Workshop *Sunbelt XXX, Riva del Garda, Italy, July 2010*

Title	<b>"Du gène aux réseaux ? Une cartographie des communautés scientifiques depuis 30 ans"</b>
Authors	J.P. Gaudillière, J.P. Cointet, C. Bonneuil
Workshop	<i>Les OGM face aux nouveaux paradigmes de la biologie, INRA, Paris, Feb. 2009</i>
Title	<b>"Filtering lattice-based taxonomies with concept stability: A case study in the analysis of political texts"</b>
Authors	S. Obiedkov, N. Romashkin, J.P. Cointet, C. Roth.
Workshop	<i>Coping with Complexity: Model Reduction and Data Analysis, Ambleside, Lake District, UK, August 31 - September 4, 2009</i>
Title	<b>"Science mapping with asymmetrical semantic proximity"</b>
Authors	D. Chavalarias, J.P. Cointet
Conference	ECCS : European Conference on Complex Systems – Dresden, Germany – October 2007
Title	<b>"Evolution des structures relationnelles et des contenus au sein de la blogosphère politique française"</b>
Authors	J.P. Cointet, C. Roth
Workshop	<i>Nouvelles approches, nouvelles techniques en analyses de réseaux sociaux, CLERSE, Lille, Mar. 2008</i>
Title	<b>"Modèles de diffusion de connaissance, quel réalisme?"</b>
Authors	J.P. Cointet
Workshop	<i>atelier TICCOOP, Nice, Feb. 2008</i>
Title	<b>"Opinion dynamics in the french political blogosphere"</b>
Authors	J.P. Cointet
Workshop	"Scaling in Biological and Social Networks", SFI – Santa Fe, NM, USA – July 2007
Title	<b>"Socially-mediated concept diffusion in a scientific community"</b>
Authors	J.P. Cointet, C. Taramasco, C. Roth
Conference	Sunbelt XXVII International Social Network Conference – Corfu, Greece – May 2007

## Projects

Title	<b>Webfluence, Opinion Dynamics in Virtual Arenas: Topology, Morphogenesis and Diffusion</b>
Programm	ANR (grant: ANR-08-SYSC-009)
Coordinator	C. Roth
Title	<b>TINA, Tools for interactive assessment of projects portfolio and visualization of scientific landscapes</b>
Programm	FP7 (grant: CA/STREP – CP-FP-INFOS n°245412)
Coordinator	D. Chavalarias
Title	<b>Cobina, Connaissances biologiques et normes d'action publique</b>
Programm	ANR
Coordinator	P.B. Joly