

OLIVIER CHAPELLE

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RESEARCH INTERESTS

Machine learning (kernel methods, semi-supervised learning, large scale learning); optimization; information retrieval; ranking; computational advertising; computer vision.

PROFESSIONAL EXPERIENCE

- **Criteo** (Mar. 2012 - Present)
Principal Research Scientist
Machine learning for display advertising
- **Yahoo! Research**, Machine learning group (Oct. 2006 - Mar. 2012)
Senior Research Scientist
Main projects are on machine learning applied to web search ranking and display advertising.
- **Max Planck Institute**, Tübingen, Empirical inference group. (Sep. 2002 - Oct. 2006)
Research Scientist
Design of semi-supervised learning algorithms and kernel methods.
- **Biowulf Technologies** (Apr. 2001 - Apr. 2002)
Consultant
Provided expertise in the field of machine learning for bioinformatic applications.
- **AT&T Research Labs** (Summers 1998, 2000, 2001)
Intern (Supervisor: V. Vapnik)
Worked on practical and theoretical aspects of Support Vector Machines. Applied SVMs to image classification problems.
- **INRIA Rhône-Alpes** (Summer 1997)
Intern (Supervisors: P. Gros and C. Schmid)
Worked in a computer vision team on a statistical approach to extract the interest points of an image

EDUCATION

- **University Paris 6**, France (1999-2002)
PhD in Machine Learning. Advisor: P. Gallinari
- **Ecole Normale Supérieure**, Cachan, France (1998-1999)
Master Degree (DEA) in Applied Mathematics — ranked first.
- **Ecole Normale Supérieure**, Lyon, France (1996-1998)
Bachelor Degree (License - Maitrise) in Computer Science.

TEACHING EXPERIENCE & TUTORIALS

- **Yahoo!** Machine Learning class (Aug. 2009)
Tutorial on Optimization for machine learning.
- **Yahoo!** Machine Learning class (Aug. 2007)
Tutorial on Semi-Supervised learning.
- **Machine Learning Summer School** Berder & Canberra (2005 & 2006)
Practical session on semi-supervised learning.

- **Ecole Centrale Paris**, Teaching Assistant (Winter 2001)
Supervised machine learning oriented projects.
- **University Paris 6**, Teaching Assistant (Fall 2000)
Computer science department – Undergraduate level.

PROFESSIONAL ACTIVITIES

- **Editorial board**
Machine Learning Journal – Action editor. (2006 – 2009)
Trans. on Pattern Analysis and Machine Intelligence – Associate editor. (2008 – 2010)
- **Workshop organization**
BayLearn 2012, 2013
Online Advertising Workshop, ICML 2012
Learning to rank challenge, ICML 2010
Beyond Search: Computational Intelligence for the Web, NIPS 2008
Beyond Binary Relevance: Preferences, Diversity, and Set-Level Judgments, SIGIR 2008
Machine Learning for Web Search, NIPS 2007 Large Scale Kernel Machines, NIPS 2006
Learning with Partially Classified Training Data, ICML 2005
- **Senior Program Committee**
ECML 2006, 2007
NIPS 2007, 2010
KDD 2010,
ICML 2011, 2012
CIKM 2012
AISTATS 2015
- **Reviewer**
Journals: Journal of Machine Learning Research, Machine Learning Journal, Neural Computation, IEEE Trans. Neural Networks, IEEE Trans. Pattern Analysis and Machine Intelligence, IEEE Trans. Systems, Man and Cybernetics – Part B, IEEE Trans. Knowledge and Data Engineering, Journal of Artificial Intelligence Research, Neurocomputing, International Journal of Computer Vision, Pattern Recognition Letters.
Conferences: NIPS, ICML, ECML, COLT, CVPR, AISTATS, DAGM.
NSF panel, 2011
- **Scientific Board**
KXEN
- **European Projects**
PASCAL, Pattern Analysis, Statistical Modeling and Computational Learning – Site manager
CLASS, Cognitive-Level Annotation using Latent Statistical Structure
- **Co-supervised PhD students**
Jan Eichhorn, MPI Tübingen, 2006
Christian Walder, MPI Tübingen, 2006
Peter Gehler, MPI Tübingen, 2008.

INVITED TALKS

- Web Search and Data Mining, New York (Feb 2014)
- Max Planck Institute for Intelligent Systems, Tübingen (Dec 2011)
- Microsoft Research, Redmond (Oct 2009)
- eBay, San Jose (Sep 2009)
- International Symposium of Mathematical Programming, Chicago (Aug 2009)

- SIGIR Workshop – Learning to Rank for Information Retrieval (Jul 2009)
- Department of Computer Sciences, UC Berkeley (Apr 2008)
- Institute for Pure and Applied Mathematics, UCLA (Oct 2007)
- Max Planck Institute for Biological Cybernetics, Tübingen (Oct 2007)
- Centre for Computational Statistics and Machine Learning, UCL, London (Oct 2007)
- Yahoo! Research, Burbank (Dec 2005)
- NIPS Workshop – Open Problems in Gaussian Processes for Machine Learning (Dec 2005)
- Department of Computer Sciences, UC Berkeley (Dec 2003)
- NIPS Workshop – Variable and Feature Selection (Dec 2001)
- Dagstuhl Seminar Inference – Principles and Model Selection (Jul 2001)
- Center for for Biological and Computational Learning, MIT (Nov 1999)
- Department of Mathematics, University Paris-Sud (Oct 1999)

PUBLICATIONS

More than 80 publications available at olivier.chapelle.cc/pub.html and on [Google scholar](#).

Citation count:¹ 14,000

H-index: 46

PATENTS

10 granted patents. List available [here](#).

¹As of Aug 2015, according to Google scholar.