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 Technolgies** (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 Superieure**, Cachan, France (1998-1999)
  Master Degree (DEA) in Applied Mathematics — ranked first.

- **Ecole Normale Superieure**, 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.

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[1]As of Aug 2015, according to Google scholar.