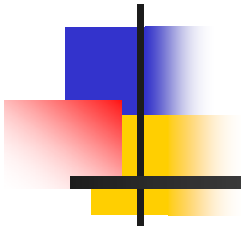


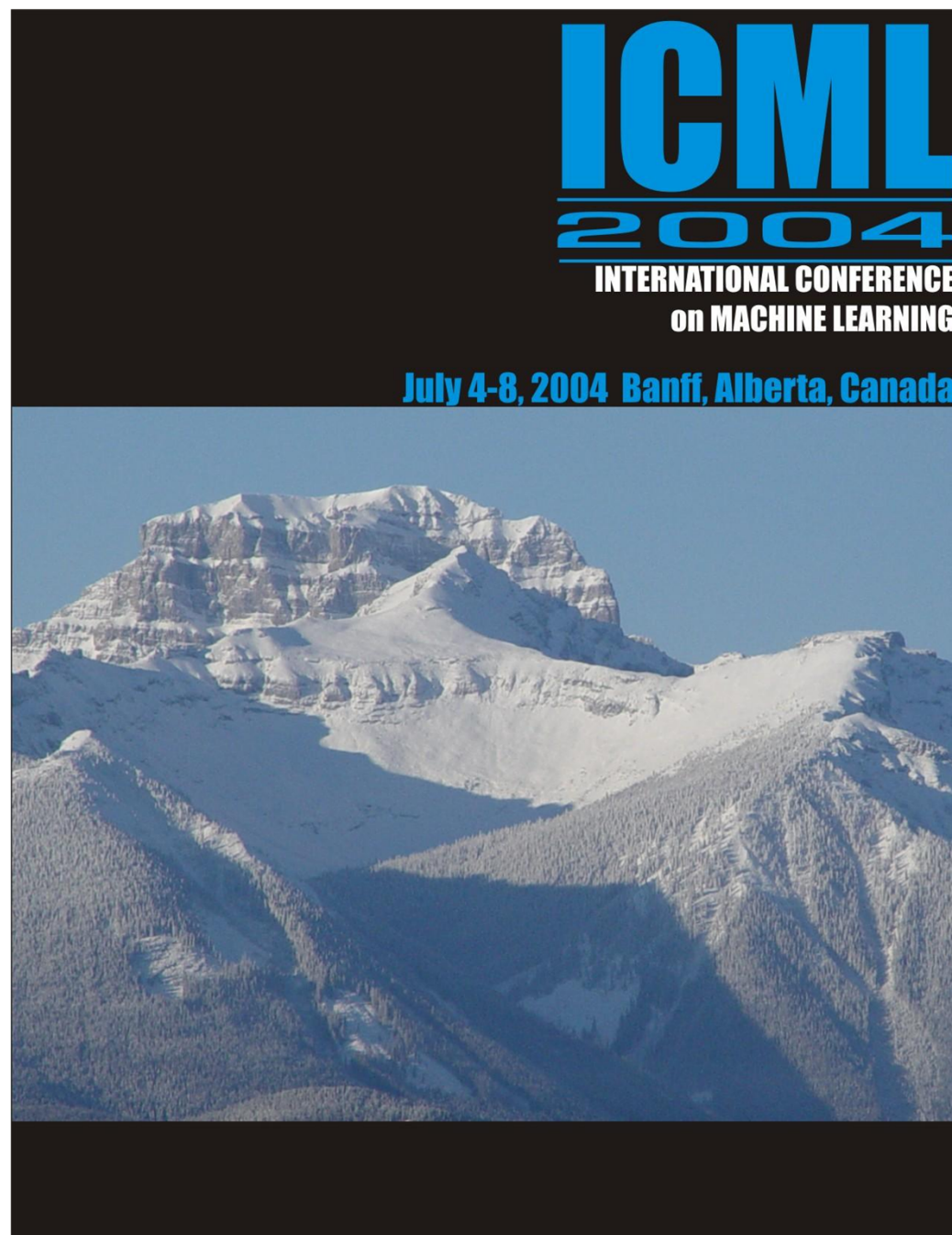
Welcome!



Russ Greiner + Dale Schuurmans
ICML-2004 Program Chairs

In the beautiful
Canadian Rockies...

Twenty-First
International
Conference on
Machine Learning,
2004



Sponsors

- Local (Alberta)



Making
IT
happen

Computing Science

Alberta
INGENUITY
Centre for
Machine Learning



- Gov't
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Machine
Learning

- Industry

Google

YAHOO!
Research Labs

SIEMENS

Microsoft

Sun
microsystems

We make the net work.



Thanks to...

- Organizing Committee :

*Carla Brodley, Johannes Furnkranz, Rob Holte,
Michael DeMarco, Kiri Wagstaff, Jennifer Dy,
Stephen Scott, David Jensen,
David Woloschuk + web team*

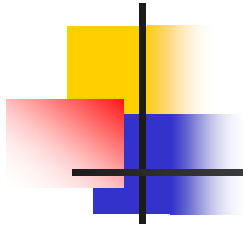
- Workshop/Tutorial Organizers

- Invited Speakers

- Area Chairs + Reviewers

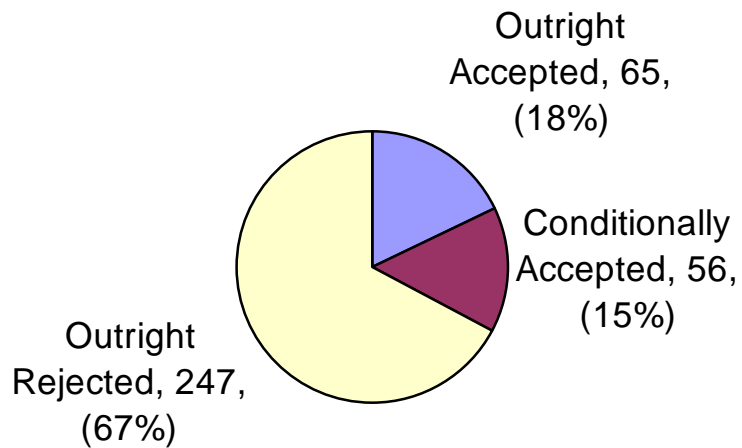
- Authors

- Registrants



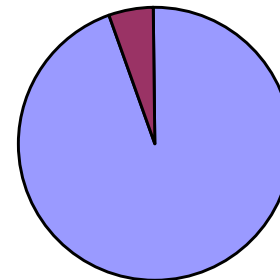
Acceptance Rates

368 submissions



56 CA's

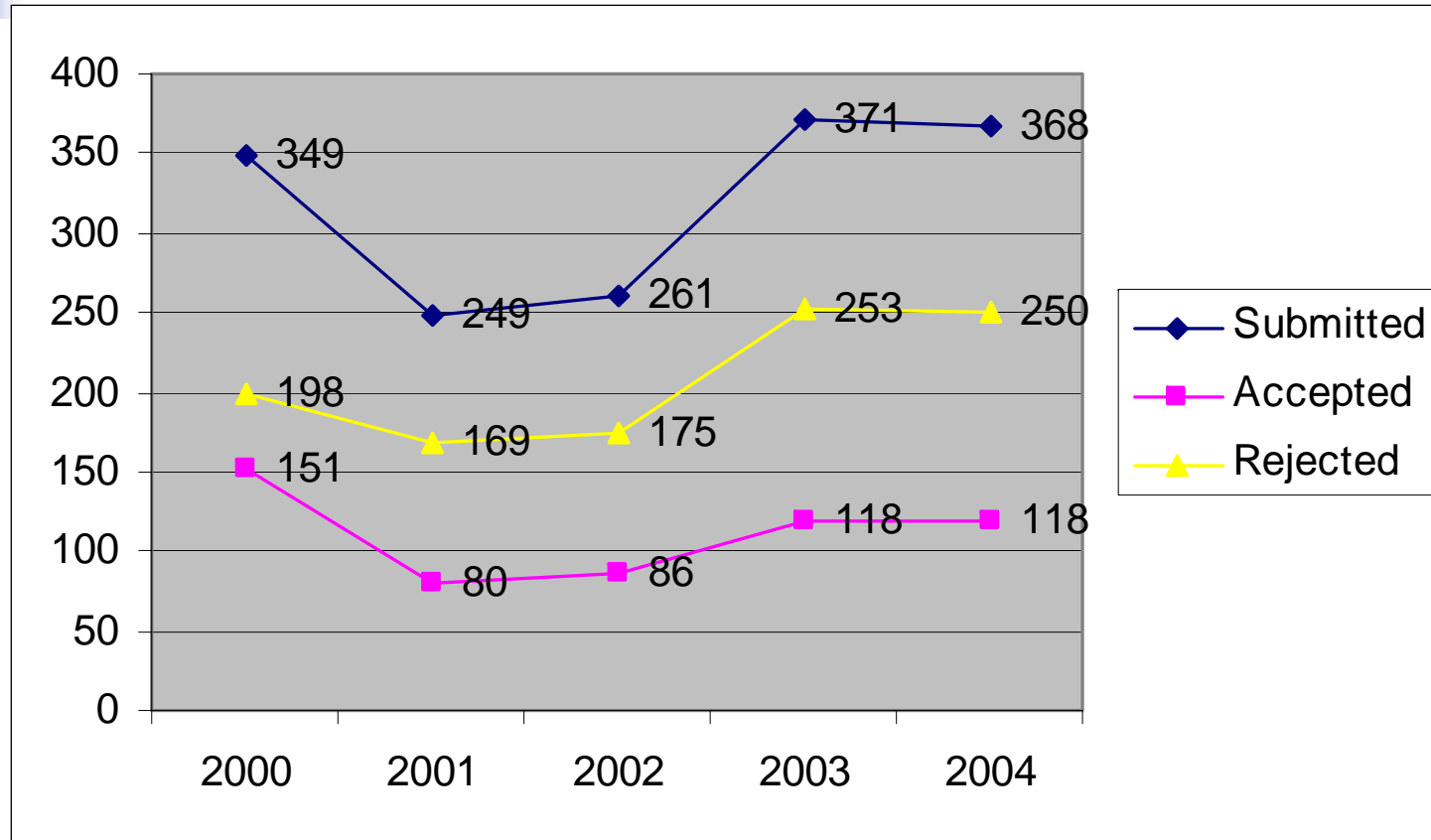
CA Reject,
3, (5%)



CA Accept,
53, (95%)

■ CA Accept
■ CA Reject

Breakdown of Submissions



42% increase in submissions from '02



Top 10 Submitted Topics: 2004

Rank	Topic	# Submissions	# Accepts
1	Statistical learning	49	31
2	Empirical evaluation	38	12
3	Feature selection	36	0
4	Reinforcement learning	36	15
5	Supervised learning	29	6
6	Kernels	28	20
7	On-line learning	26	4
8	Clustering	25	12
9	Bayesian learning	24	14
10	Support vector machines	24	15

Note: Many papers had >1 topic; and many had 0 !



Outstanding Student Papers

- **Learning a Kernel Matrix for Nonlinear Dimensionality Reduction**
 - *Kilian Weinberger, Fei Sha*, Lawrence Saul
- **Decentralized Detection and Classification using Kernel Method**
 - *XuanLong Nguyen*, Martin Wainwright, Michael Jordan
- **Generalized Low Rank Approximations of Matrices**
 - *Jieping Ye*



Honorable Mention for Outstanding Paper Award

- **Multiple Kernel Learning, Conic Duality, and the SMO Algorithm**
 - *Francis Bach, Gert Lanckriet, Michael Jordan*
- **Efficient Hierarchical MCMC for Policy Search**
 - *Malcolm Strens*
- **Authorship Verification as a One-Class Classification Problem**
 - *Moshe Koppel, Jonathan Schler*



Invited Presentations

- **Learning to See People**
Michael J. Black
- **Models of Dynamic Uncertainty in
Univariate and Multivariate Systems**
Robert Engle
- **Whole Genome Sequencing,
Comparative Genomics, and Systems
Biology**
Eugene Myers

Enjoy the
Conference!



Organizing Committee

- Conference Chair: *Carla Brodley*
- Workshops and Tutorials Chair: *Johannes Fürnkranz*
- Local Arrangements Chairs: Rob Holte
(Michael DeMarco)
- Registration Chair: Kiri Wagstaff
- Proceedings Chair: *Jennifer Dy*
- Treasurer: *Stephen Scott*
- Government Funding Chair: *David Jensen*
- Volunteer Coordinator: *Kiri Wagstaff*
- Webmasters: *David Woloschuk,
Bryce Larson*