
KDD 2009: general call for workshop papers

The organizing committee of the KDD-09 conference invites you to submit your latest research to one of the 11 workshops that will be held on June 28th (Sunday). This year, KDD-09 will feature workshops on a variety of hot topics and will also include one workshop associated with the KDD Cup as well as four workshops that include challenges. So besides providing you the opportunity to present and discuss the latest developments and applications in DM, they will enable you to put your best technology to the test. The deadlines for submission are between mid April and late May (details below).

For those who are unable to attend the full program of KDD-09, the organizers are introducing a new registration option besides full participation: "Workshops, Tutorials, and Evenings" (or, "Nights and Weekends"). This enables you to participate all day Sunday, for the workshops and tutorials, as well as the evenings (5pm+ Sunday-Tuesday), which feature invited industry talks, receptions, dinners, and technical poster sessions. (It omits, however, the full technical program during the 3 days, Mon-Wed.) For more information, check the registration page at <http://www.sigkdd.org/kdd2009/registration.html>.

The annual ACM SIGKDD conference is the premier international forum for data mining researchers and practitioners from academia, industry, and government to share their ideas, research results and experiences. KDD-09 will be held in Paris, France, from June 28th to July 1st and will feature keynote presentations, oral paper presentations, poster sessions, workshops, tutorials, panels, exhibits, demonstrations, and the KDD Cup competition.

KDD-09 website: <http://www.sigkdd.org/kdd2009/>

Bienvenue \ni Paris

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=== Full-day workshops ===

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W1: Statistical and Relational Learning and Mining in Bioinformatics (StReBio'09)

Organizers: Jan Ramon, Fabrizio Costa, Christophe Costa Florencio,
Joost Kok

Submission deadline: 20-Apr

Challenge: Yes

URL: <http://www.cs.kuleuven.be/~dtai/events/StReBio09/>

Summary: Bioinformatics is an application domain where information is naturally represented in terms of relations between heterogenous objects. Modern experimentation and data acquisition techniques allow the study of complex interactions in biological systems. This raises interesting challenges because the amount of data is huge, some information can not be observed, and measurements may be noisy. The StReBio'09 workshop invites contributions concerning applications of statistical relational learning and mining methods in bio-informatics domains. In particular, the workshop invites both regular papers, problem statements and problem solution papers.

W2: The 3rd International Workshop on Knowledge Discovery from Sensor Data (SensorKDD-2009)

Organizers: Olufemi Omitaomu, Auroop Ganguly, Joao Gama, Ranga Raju
Vatsavai, Mohamed Medhat Gaber, Nitesh V. Chawla

Submission deadline: 20-Apr

Challenge: Yes

URL: <http://www.ornl.gov/sci/knowledgediscovery/SensorKDD-2009/>

Summary: Wide-area sensor infrastructures, remote sensors, RFIDs, and wireless sensor networks yield massive volumes of disparate, dynamic, and geographically distributed data. The Sensor-KDD 2009 workshop solicits papers that describe innovative solutions in offline data mining and/or real-time analysis of sensor or streaming data. Position papers that describe the challenges and requirements for sensor data based knowledge discovery in high-priority application domains, as well as relevant case studies, are particularly encouraged.

W3: ACM SIGKDD Workshop on CyberSecurity and Intelligence Informatics (CSI-KDD)

Organizers: Hsinchun Chen, Marc Dacier, Marie-Francine Moens, Gerhard Paaß, Christopher C. Yang

Submission deadline: 20-Apr

Challenge: Yes

URL: <http://www.CSI-kdd.org>

Summary: Computer supported communication and infrastructure are integral parts of modern economy. Their security is of incredible importance to a wide variety of practical domains ranging from Internet service providers to the banking industry and e-commerce, from corporate networks to the intelligence community. Of interest to this workshop are novel knowledge discovery methods addressing this field, e.g. adaptive, active or anticipatory approaches integrating new types of contents and protocols. Equally important are innovative applications demonstrating the effectiveness of data mining in solving real-world security problems.

W4: Visual Analytics and Knowledge Discovery: Integrating Automated analysis with Interactive Exploration (VAKD '09)

Organizers: Kai Puolamäki, Heikki Mannila, Alessio Bertone, Silvia Miksch, Mark A. Whiting, Jean Scholtz

Submission deadline: 20-Apr

Challenge: Yes

URL: <http://www.hiit.fi/vakd09/>

Summary: The goal of Visual Analytics is to derive insight from massive, dynamic, ambiguous, and often conflicting data; detect the expected and discover the unexpected; provide timely, defensible, and understandable assessments; and communicate the assessment effectively for action. The goal of this workshop is to raise the awareness of the KDD community for the importance of Visual Analytics and bring together researcher from the underlying fields to bridge the gap between them-to write a KDD research roadmap on Visual Analytics.

W5: The Third International Workshop on Data Mining and Audience Intelligence for Advertising (ADKDD'09)

Organizers: Ying Li, Arun C. Surendran, Dou Shen

Submission deadline: TBA

Challenge: No

URL: (under preparation)

Summary: Advertising, especially online advertising, is growing rapidly and brings about large volumes of data along with challenging data mining problems. Following on the success of ADKDD 2007 and 2008, ADKDD 2009 is to be held in Paris France, in conjunction with KDD 2009, to provide a high-level international forum for the academic community and the industry to present the state of the art of

algorithms and applications of advertising. We encourage papers that bring up and formalize new research problems in online advertising, or propose novel data mining techniques for existing problems. We plan to cover (but not restricted to) the following areas: Mining for Ad Relevance and Ranking; Audience Intelligence & User Modeling; Content Understanding; Search Engine Marketing, Optimization (SEMs, SEOs) and Other Topics in Advertising. Accepted papers will be achieved in ACM Digital Library and one or two papers will be recommended to SIGKDD Explorations.

W6: The 3rd Workshop on Social Network Mining and Analysis (SNA-KDD 2009)

Organizers: Lee Giles, Prasenjit Mitra, Igor Perisic, John Yen, Haizheng Zhang

Submission deadline: 28-May

Challenge: No

URL: <http://snakdd2009.socialnetworkanalysis.info/>

Summary:

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=== Half-day workshops (Morning) ===

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W7: Human Computation Workshop (HCOMP 2009)

Organizers: Paul Bennett, Raman Chandrasekar, Max Chickering, Panos Ipeirotis, Edith Law, Foster Provost, Anton Mityagin, Luis von Ahn

Submission deadline: 18-Apr

URL: <http://www.hcomp2009.org/>

Summary: Human computation is a new research area that studies the process of channeling the vast internet population to perform tasks or provide data towards solving difficult problems that no known computer algorithms can yet solve perfectly and efficiently, e.g. digitize books, recognize objects in images and songs, translate sentences, summarize news articles, annotate videos etc. The goal of HCOMP 2009 is to bring together academic and industry researchers in a stimulating discussion of existing human computation applications, such as Games With A Purpose (e.g. the ESP game), Mechanical Turk and CAPTCHAs, and future directions of this new subject area. Included in the workshop are invited talks, presentations, posters, and a demo session where participants are invited to showcase their human computation applications.

W8: Data Mining using Matrices and Tensors (DMMT'09)

Organizers: Chris Ding, Tao Li

Submission deadline: 20-Apr

URL: <http://www.cs.fiu.edu/~taoli/kdd09-workshop/>

Summary: This workshop will present recent advances in algorithms and methods using matrix and scientific computing/applied mathematics for modeling and analyzing massive, high-dimensional, and nonlinear-structured data. One main goal of the workshop is to bring together leading researchers on many topic areas (e.g., computer scientists, computational and applied mathematicians) to assess the state-of-the-art, share ideas, and form collaborations. We also wish to attract practitioners who seek novel ideas for applications.

W9: Third Workshop on Data Mining Case Studies and Practice Prize (DMCS)

Organizers: Brendan Kitts, Gabor Melli, Peter van der Putten

Submission deadline: 30-Apr

URL: <http://www.dataminingcasestudies.com/>

Summary:

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=== Half-day workshops (Afternoon) ===
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W10: KDD cup 2009: Fast Scoring on a Large Database (KDDcup09)

Organizers: Isabelle Guyon, David Vogel

Submission deadline: 20-May

URL: <http://www.kddcup-orange.com/>

Summary: This workshop will discuss the results of the KDD cup 2009. The competition is organized around a large dataset provided by the French telecom company Orange. It is a problem of Customer Relationship Management (CRM), a key element of modern marketing strategies. Orange offered the opportunity to work on a large marketing database to predict the propensity of customers to switch provider (churn), buy new products or services (appetency), or buy upgrades or add-ons proposed to them to make the sale more profitable (up-selling).

W11: Knowledge Discovery from Uncertain Data (U'09)

Organizers: Jian Pei, Lise Getoor, Ander de Keijzer

Submission deadline: 20-Apr

URL: <http://www.cs.sfu.ca/~jpei/u09/>

Summary: This workshop will present recent advances in algorithms and methods using matrix and scientific computing/applied mathematics for modeling and analyzing massive, high-dimensional, and nonlinear-structured data. One main goal of the workshop is to bring together leading researchers on many topic areas (e.g., computer scientists, computational and applied mathematicians) to assess the state-of-the-art, share ideas, and form collaborations. We also wish to attract practitioners who seek novel ideas for applications.