

Call for Submissions

Sixth DESI Workshop: Using Machine Learning and Other Advanced Techniques to Address Legal Problems in E-Discovery and Information Governance

A pre-conference workshop held in conjunction with the
2015 International Conference on Artificial Intelligence and Law

**University of San Diego, San Diego, California
June 8, 2015**

<http://www.umiacs.umd.edu/~oard/desi6/>

The DESI VI workshop aims to bring together researchers and practitioners to explore innovation and the development of best practices for application of search, classification, language processing, data management, visualization, and related techniques to institutional and organizational records in e-discovery, information governance, public records access, and other legal settings. Questions addressed include:

- 1) What combinations of machine learning and other techniques can best categorize information in accordance with existing records management policies?
- 2) Do effective methods exist for performing sentiment analysis and personal information identification in a legally useful way in e-mail and other records of interpersonal communication?
- 3) How well can we estimate the end-to-end costs of workflows that combine artificial intelligence and human coding to accomplish legal tasks on a broad range of content types?
- 4) Can proactive insider threat detection leverage information already being collected for records management purposes, and what would be the ethical and legal fallout of such approaches?
- 5) Are approaches available to reduce the perceived conflicts between privilege and transparency in labeling data for Technology-Assisted Review (TAR) in e-discovery and public records access applications?
- 6) What technical, procedural, and legal issues arise from recent proposals to shift the focus of e-discovery from relevance to materiality?
- 7) Where do recent legal cases point to the need for new research to better inform the decision of courts and the practices of parties?
- 8) What lessons can we draw from recent shared-task evaluations such as TREC and EDI, and how can future shared-task evaluations best be structured?
- 9) How can current techniques for issue coding be applied to compliance tasks (e.g., in regulatory, enforcement, and investigations settings), and what capability gaps exist that call for new research?
- 10) What implications do emerging technologies such as deep learning and fine-grained access to behavioral traces have for e-discovery, business intelligence, and records and information management purposes?

Participation is invited from all interested parties, including those with interests in:

- Archives
- Artificial intelligence
- Cognitive science
- Computational linguistics
- Corpus analysis
- Digital forensics
- Document image understanding
- E-government
- Human-computer interaction
- Human computation and crowdsourcing
- Information governance
- Information retrieval
- Information seeking behavior
- Knowledge management
- Law
- Legal informatics
- Litigation support
- Machine learning
- Privacy-preserving data mining
- Records management
- Speech processing
- Standards
- Statistical quality control
- Text mining
- Visual analytics

Submissions:

We invite refereed papers describing research or practice. After peer review, accepted papers will be posted on the DESI VI website and distributed to workshop participants. Authors of accepted refereed papers will be invited to present their work either as an oral or a poster presentation. Refereed papers should be 4 to 10 pages; longer papers may be returned without review.

We also invite unrefereed position papers describing individual interests for inclusion (without review) on the DESI VI Web site and distribution to workshop participants. Position papers should typically be on the order of 2-3 pages.

Participation in the DESI VI workshop is open. Submission of papers is encouraged, but not required.

Submissions should be sent by email to Doug Oard (oard@umd.edu) with the subject line DESI VI POSITION PAPER or DESI VI RESEARCH PAPER. All submissions received will be acknowledged within 3 days.

Outcomes:

Anticipated outcomes from the workshop include, in addition to the posting of papers to the workshop website: the presentation of best practices identified at the event, and resulting recommendations to be made to the various participating sub-communities (e.g., legal practitioners, judges, researchers, technologists). Selected papers may be candidates for republication in expanded form in future monographs or journal pieces. As in the past, the organizers plan to maintain the workshop website indefinitely, or at least as long as the legal research community deems it useful.

Important Dates:

April 10, 2015 Refereed paper submissions due
April 27, 2015 Decisions on refereed papers returned
May 1, 2015 Unrefereed position papers due
June 8, 2015 DESI VI Workshop

Organizing Committee:

Jason R. Baron, Drinker Biddle & Reath LLP; University of Maryland
Jack G. Conrad, Thomson Reuters
Amanda Jones, H5
Dave Lewis, David D. Lewis Consulting
Douglas W. Oard, University of Maryland