The 9th International Conference on Artificial Intelligence and Law (ICAIL-2003)

June 24-28, 2003
University of Edinburgh, Scotland UK

Program and Registration Guide

Sponsored by:

- The International Association for Artificial Intelligence and Law (IAAIL)
- University of Edinburgh School of Law
- Joseph Bell Center for Forensic Statistics and Legal Reasoning
- West Group, Thomson Legal & Regulatory

Conference Highlights

- Invited Talks:
  - Katia Sycara: Agent-Mediated Semantic Web Services
  - Richard Susskind, TBA
  - Trevor Bench-Capon: Try To See It My Way: Persuasion in Legal Discourse
- Tutorials
  - Introduction to Artificial Intelligence and Law
  - Norms and Institutions
- Workshops:
  - Law and Electronic Agents
  - e-Government: Modeling Norms and Concepts as Key Issues
  - Evaluation of Legal Reasoning and Problem-Solving Systems
  - Knowledge-based Harmonisation or Unification of Legislation
  - On-line Dispute Resolution
  - Legal Ontologies and Web-based Legal Information Management

www.csflr.ed.ac.uk/icail03/
ICAIL-2003 will be held under the auspices of the International Association for Artificial Intelligence and Law (IAAIL), an organization devoted to promoting research and development in the field of AI and Law with members throughout the world. ICAIL provides a forum for the presentation and discussion of the latest research results and practical applications and stimulates interdisciplinary and international collaboration.

We wish to thank our co-sponsors: The Joseph Bell Center for Forensic Statistics and Legal Reasoning for its sponsorship of the invited talks by Trevor Bench-Capon and Richard Susskind; WestGroup, a division of Thomson Legal and Regulatory, for its sponsorship of the Welcome Reception, and the University of Edinburgh School of Law for their administrative and moral support.

**ICAIL-2003 at a glance**

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<th>Afternoon</th>
<th>Evening</th>
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<td>Tuesday, June 24</td>
<td>ICAIL registration 8:00 a.m.</td>
<td>Registration 1:30 – 3:00</td>
<td>Welcome Reception &amp; ICAIL registration 18:00 – 20:00</td>
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<tr>
<td>MacIntyre Center</td>
<td>9:00 – 12:30</td>
<td>14:00 – 17:30</td>
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<td></td>
<td>Tutorial A</td>
<td>Tutorial B 14:00 – 17:30</td>
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<td>Introduction to AI and Law</td>
<td>Norms and Institutions</td>
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<td>Workshop T1: LEA 2003 Law and Electronic Agents</td>
<td>Workshop T1 (continued)</td>
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<td>Workshop T2: e-Government: Modelling Norms and Concepts as Key Issues</td>
<td>Workshop T2 (continued)</td>
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<td>Wed., June 25</td>
<td>ICAIL registration 8:00 a.m.</td>
<td>Invited Talk: Katya Sycara</td>
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<td>Old College</td>
<td>Conference opening 9:00</td>
<td>Paper presentations</td>
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<td>Paper presentations</td>
<td>Invited Talk: Richard Susskind Paper Presentations</td>
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<td>IAAIL Business Mtg.</td>
<td>Conference Banquet at the Playfair Library</td>
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<td>Thursday, June 26</td>
<td>Paper presentations</td>
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<td>Old College</td>
<td>Paper presentations</td>
<td>Paper presentations</td>
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<td>Friday., June 27</td>
<td>Paper presentations</td>
<td>Invited Talk: Trevor Bench-Capon Paper presentations</td>
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<td>Old College</td>
<td>Workshop S1: Evaluation of Legal Reasoning and Problem Solving Systems</td>
<td>Workshop S2: Knowledge-based Harmonisation or Unification of Legislation</td>
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<td>Workshop S3: Legal Ontologies and Web-based Legal Information Management</td>
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<td>Workshop S4: On-line Dispute Resolution</td>
<td>Workshop S4 (continued)</td>
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Tutorials and Workshops

Tutorial A. Tuesday, June 24, 2003, 9:00 – 12:30 (half day, includes lunch)
Introduction to Artificial Intelligence and Law

Thomas F. Gordon, ECCO Center for Collaborative and Mobile e-Government, Fraunhofer Institute for Open Communications Systems (FOKUS), Berlin, Germany
Carole D. Hafner, College of Computer and Information Science, Northeastern University, Boston USA
John Zeleznikow, Joseph Bell Center for Forensic Statistics and Legal Reasoning, University of Edinburgh, UK

This tutorial surveys the principal methods for computationally modeling legal reasoning, decision making, and argumentation. These include the representation of of legal rules, intelligent legal information retrieval, case-based and logic-based systems for legal argumentation, legal expert systems, and applications of machine learning to law. We describe the theoretical challenges of legal informatics, such as open-textured concepts and the dialectical nature of legal discourse; we also discuss their practical implications. Participants will gain an appreciation of the way the disciplines of law and artificial intelligence contribute to each other; AI changes the way we "do" law and jurisprudence which in turn provide AI with unique opportunities to study cognitive phenomena like argumentation, analogy, and open texture. The tutorial is aimed at anyone with a basic understanding of information processing systems who wants to learn about the techniques and accomplishments of the AI and Law field.

Tutorial B. Tuesday, June 24, 2003, 14:00 – 17:30 (half day, includes lunch)
Norms and Institutions

Andrew Jones, Department of Computer Science, King's College, London, UK
Marek Sergot, Department of Computing, Imperial College, London, UK

This will be an overview of developments in formal-logical methods for modelling patterns of agent interaction in organisations, and of the rules and policies governing such interactions. The focus of attention is on agents' obligations, permissions, and rights, their responsibilities in regard to the achievement of specific goals, and their powers to initiate changes, to authorise, and to delegate. The term "agents" is intended to cover both human and artificial (computer) agents. The presentation will be based on illustrative examples, in the representation of duties and rights, in the specification of computer systems, and in the modelling of organisations and computational societies. Technical developments will be outlined, but the talk will not presuppose familiarity with more than elementary propositional logic.

Workshop T1. Tuesday, June 24, 2003, 9:00 – 17:00 (full day, includes lunch)
LEA 2003 Law and Electronic Agents
Organizers: Anja Oskamp and Emily Weitzenboeck
Description: http://www.csflr.ed.ac.uk/icail03/lea03CFP.pdf

Workshop T2. Tuesday, June 24, 2003, 9:00 – 17:00 (full day, includes lunch)
e-Government: Modeling Norms and Concepts as Key Issues
Organizers: Roland Traunmueller and Monica Palmirani
Description: http://www.csflr.ed.ac.uk/icail03/e-gov03CFP.pdf
Tutorials and Workshops (continued)

**Workshop S1. Saturday, June 28, 2003, 9:00 – 13:00 (half day)**
Evaluation of Legal Reasoning and Problem-Solving Systems  
Organizers: Karl Branting and Steffi Bruninghaus  
Web site: http://www.pitt.edu/~steffi/evaluation-workshop-icail03.html

**Workshop S2. Saturday, June 28, 2003, 14:00 – 17:00 (half day)**
Knowledge based harmonisation or unification of legislation  
Organizers: Radboud Winkels and Tom van Engers  
Web site: http://lr.i.jur.uva.nl/~winkels/cfp-kb-harmonization.html

**Workshop S3 Saturday, June 28, 2003 9:00 – 17:00 (full day)**
Legal Ontologies and Web-based Legal Information Management  
Organizers: Joost Breuker, Aldo Gangemi and Daniela Tiscornia  

**Workshop S4 Saturday, June 28, 2003 9:00 – 17:00 (full day)**
Online Dispute Resolution  
Organizer: Arno Lodder  
Web Site: http://www.odrworkshop.org/

**Associated Events at the University of Edinburgh**

**Monday, June 23, 2003**  
The Second International Workshop on Regulated Agent-Based Social Systems: Theories and Applications (RASTA’03)  
Web site: http://www.informatik.uni-hamburg.de/TGI/events/rasta03/cfp.html

**Monday, June 30 – Wednesday, July 2, 2003**  
Second Joseph Bell Centre Workshop on the Evaluation of Evidence (by invitation)  
Contact: Jeroen Keppens, Appleton Tower, Crichton Street, Edinburgh, EH8 9LE, UK  
phone: +44 131 650 2749  email: jeroen@inf.ed.ac.uk

**Lodging Information**

See the ICAIL-2001 Web site: www.csflr.ed.ac.uk/icail03 for information about hotel accommodations.

Inexpensive accommodations are available in the Pollock Halls, part of a modern conference facility where ICAIL events will be held on Tuesday, June 24. It is a 25 minute walk from Pollock Halls to Old College (Univ. of Edinburgh Law School), the site of ICAIL events beginning Wednesday, June 25. There is frequent public bus service from South Bridge Street across from Old College to Pollock Halls. Single rooms with shared bath are £27. Single rooms with en-suite bath are £42. Cafeteria-style breakfast is included.

To reserve lodging in Pollock Residences, contact Edinburgh First, 18 Holyrood Park Road, Edinburgh EH16 5AY,  
Tel.: 0800 028 7118 (this is toll free in the UK). From overseas phone: +44 (0)131 651 2189 Fax:: +44 (0)131 662 9479. Email: Edinburgh.First@ed.ac.uk.

To book via the Web go to http://edfirst1.ednet.co.uk/accommodation/availability.htm  
Click on catered accommodation and proceed.
Registration Instructions

Registration for ICAIL will be electronic: you should fill out the form below and submit it by email to: icail@ed.ac.uk. You must ALSO submit your payment via the University of Edinburgh’s secure Web site: www.finance.ed.ac.uk/ePayment/erafrontend.htm

Only when both the registration form and the payment are received will you be considered to have registered. At that time, an email confirmation will be mailed to you.

If you are unable to register electronically, or have questions about your registration, contact:
Ms. Emma Farrell
School of Law
The University of Edinburgh
Old College
South Bridge
Edinburgh EH8 9YL UK
Tel 44 (0)131-650-2056  FAX 44 (0)131-650-6317  e.farrell@ed.ac.uk

ICAIL-03 Registration Form

Name: __________________________
Address: _________________________
________________________________
________________________________
Email: ____________________________
Phone: ____________________________
Affiliation (for badge): ______________

ICAIL-03 CONFERENCE REGISTRATION
All registration fees are in pounds sterling.

Regular, IAAIL member, and Student registration includes attendance at all sessions Wednesday June 25 - Friday June 28, conference proceedings, and conference banquet. One-day registration includes attendance for a single day and conference proceedings (but not conference banquet). All ICAIL-03 registrations confer a lower registration fee for tutorials and workshops.

Check at most one:
___ Regular  235
___ IAAIL Member*  220
___ Full-time Student  135
___ One-day  95

Conference fee submitted: _______

*IAAIL Membership form and be found at www.iaail.org. It should be filled out and submitted as instructed if the IAAIL Member rate is selected above.
### TUTORIAL/WORKSHOP REGISTRATION for 24 June
(includes tutorial/workshop notes EXCEPT for Workshop T2)

Check at most one: (lunch at the MacIntyre Centre is included)  

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<th>With ICAIL Registration</th>
<th>Without ICAIL Registration</th>
<th>Full time Student</th>
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<tr>
<td>___ Tutorial A Introduction to AI &amp; Law</td>
<td>60</td>
<td>120</td>
<td>40</td>
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<tr>
<td>___ Tutorial B Norms &amp; Institutions</td>
<td>60</td>
<td>120</td>
<td>40</td>
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<tr>
<td>___ Both tutorials</td>
<td>80</td>
<td>160</td>
<td>50</td>
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<tr>
<td>___ Workshop T1 Law and Electronic Agents</td>
<td>45</td>
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<tr>
<td>___ Workshop T2* E-government</td>
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*An extra fee will apply at the workshop, to purchase commercially-published workshop Proceedings.*

24/6 Tutorial or Workshop Fee submitted: ________

### WORKSHOP REGISTRATION for 28 June
(includes workshop notes)

Check at most one: (lunch is not included)  

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<tr>
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<th>With ICAIL Registration</th>
<th>Without ICAIL Registration</th>
<th>Full-time Student</th>
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<tr>
<td>___ Workshop S1 Evaluation</td>
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<td>15</td>
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<td>___ Workshop S2 Harmonisation</td>
<td>25</td>
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<td>15</td>
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<tr>
<td>___ Workshops S1 and S2</td>
<td>35</td>
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<tr>
<td>___ Workshop S3 Law and Electronic Agents</td>
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<td>60</td>
<td>25</td>
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<td>___ Workshop S4 Dispute resolution</td>
<td>35</td>
<td>60</td>
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28/6 Workshop Fee submitted ________

I would like ___ extra banquet tickets at £40 each, for a total of: ________

TOTAL FEE SUBMITTED: ________