

## On the conference

Research on Computational Methods in Law has a long tradition reaching back to the 1970s. The future of law has been predicted to be radically changing for years. Meanwhile the impact of AI and computational methods on day-to-day work of lawyers has remained low.

That presently seems to change. Data Science, Neural Networks and Machine Learning have led to new approaches in computational methods of logical reasoning and decision-making. Blockchain technologies enabled new perspectives on contract practice and led to the idea of Smart Contracts. Breakthroughs in AI even electrified old ideas of Expert Systems, Visualization of Law, Machine readable and Machine executable law.

While in common law jurisdictions those developments have reached legal practice and some countries report a boom in Legal Tech, non-common law jurisdictions do not seem to be concerned. It might be the different needs of case and code, that recent technologies do not address well enough. It might be differences in culture, a different understanding of the meaning of separation of powers, an old fashioned theory of law or just barriers of language.

The aim of the conference is to compare progress in Computational Methods and characteristics of non-common law jurisdictions from a European perspective. If we can identify a research gap on computational methods in civil law jurisdictions in Europe, that might be responsible for the lack of adoption, the further aim of the workshop is to structure the questions and build up a network to address them.

**Host:** Jointly hosted by the Heidelberg University, Institute of European and International Tax Law and the Ulm University, Institute of Distributed Systems and Institute of Accounting and Audit, Group of Business and Taxation Law

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**Venue:** Wissenschaftszentrum Schloss Reisenburg der Universität Ulm, Bürgermeister-Johann-Müller-Str. 1,89312 Günzburg

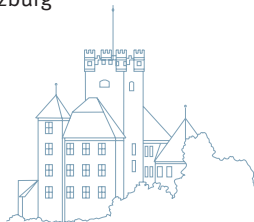
**Further Information and Registration**  
[www.uni-ulm.de/cml-symposium2016](http://www.uni-ulm.de/cml-symposium2016)



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# Computational Methods in Law in Non Common Law Jurisdictions

## A European Perspective

## Die Digitalisierung des Rechts



10. November 2016  
Wissenschaftszentrum  
Schloss Reisenburg  
der Universität Ulm

Conference

08:30	<b>Introduction</b> <b>Prof. Dr. Heribert Anzinger</b> (Business and Tax Law, Universität Ulm)	14:30	<b>Artificial Intelligence and Machine Learning – the technological base for computational methods in law</b> <b>Prof. Dr. Birte Glimm</b> (Institute of Artificial Intelligence, Universität Ulm.) <b>Dr. Alexey Cheptsov</b> (High Performance Computing Center Stuttgart) Discussant: <b>Prof. Dr. Günther Palm</b> (Institute of Neural Information Processing, Ulm University)
08:45	<b>Artificial Intelligence and Law – State of the Art and Perspectives</b> <b>Prof. Dr. Dr. Dr. hc. Franz Josef Radermacher</b> (Institute for Artificial Intelligence, Universität Ulm) <b>Dr. Micha-Manuel Bues</b> (Legal Tech Blog) Discussant: <b>Prof. Dr. Heribert Anzinger</b>	15:30	<b>Can we automate privacy policies and data protection?</b> <b>Prof. Dr. Florian Schaub</b> (University of Michigan) Discussant: <b>Dr. Dr. Matthias Ehrhardt</b> (Universität Ulm)
09:45	<b>Expert Systems and Visualization of Legal Code</b> <b>Dr. Radboud Winkels</b> (Leibniz Center for Law, Amsterdam University) <b>Prof. Dr. Stephan Breidenbach</b> (Private Law and International Business Law, Universität Frankfurt/Oder) Discussant: <b>Dr. Marcel Burr</b>	16:15	Break
10:45	Break	16:45	<b>How can Blockchains and Smart Contracts help automate law?</b> <b>Prof. Dr. Frank Kargl</b> (Institute of Distributed Systems, Universität Ulm) <b>Maria Claudia Solarte Vasquez</b> (Research Team on Law and Technology of The Law Institute, Tallinn University of Technology, Estonia, Tallinn) Discussant: <b>Dr. Dirk Siegel</b> (Partner Financial Services, Deloitte Frankfurt a. M.)
11:15	<b>Machine readable legal code (OASIS, Metalex, Emerald, Hamurabi)</b> <b>Prof. Dr. Monica Palmirani</b> (OASIS Legal Rule ML TC, Centro Interdipartimentale di Ricerca in Storia del Diritto, Filosofia e Sociologia del Diritto e Informatica Giuridica dell'Università di Bologna) <b>Prof. Dr. Zsolt György Balogh</b> (Corvinus University, Budapest) <b>Michael Poulshock</b> (Hamurabi Project, Droit Financial Technologies LLC., New York) Discussant: <b>Prof. Dr. Ekkehart Reimer</b>	17:45	Break
12:30	Lunch Break	18:00	<b>Impact on Methodology and Constitutional Democracy</b> <b>Prof. Dr. Ekkehart Reimer</b> (Chair for Public Law, European and International Tax Law, Univ. Heidelberg) Discussants: <b>Prof. Dr. Rudolf Mellinshoff</b> (President of the German Federal Fiscal Court, former member of the Federal Constitutional Court of Germany) <b>Dr. Nadja Braun Binder</b> (German Research Institute for Public Administration, Project Cluster Transformation of the state in the digital age)
13:30	<b>Formal Approaches in Legal Theory</b> <b>Corinna Coupette</b> (Otto Hahn Group on Financial Regulation, Max Planck Institute for Tax Law and Public Finance) Discussant: <b>Prof. Dr. Martin Borowski</b> (Chair for Constitutional Law and Legal Philosophy, Univ. Heidelberg)	18:45	<b>Summary</b> <b>Prof. Dr. Frank Kargl</b>
		19:00	Dinner