

Law in Context: A Socio-legal Journal

Call for Papers: Special Issue on Intelligent Regulatory Systems

Regulatory systems (RSs) span across a broad range of industries, activities and behaviors governing how businesses should be operated. It is increasingly large and can encompass or connect with other systems ranging from traditional software systems to social networks, clouds, cyber-physical and safety-critical systems. Apart from the intrinsic complexity of integrated systems, the variability and dynamicity of surrounding environments also make it extremely challenging to ensure the correctness of such systems.

Given many decades of research and development in RSs, various approaches and techniques have been developed and removed some of the barriers. However, less attention has been drawn to the analysis of system at runtime. Besides, the current practices also emphasize on the use of artificial intelligence (AI), such as natural language processing (NLP) and data analytics, to automate the processes in a more advanced and intelligent ways.

The aims of the proposed special issue are of two-folds. First, from technological perspective, we would like to raise the awareness of approaches that can be used in providing intelligent support to regulatory systems, including both functional and non-functional properties, before and after executions. Second, from socioeconomic and cultural perspectives, we would like to address the issues of how our lives has been affected, or going to be changed, with such technological advancements.

This special issue should be of interest to the legal community focusing on:

- Blockchain technologies and applications
- Smart contracts verifications
- Verification techniques for compliance checking of business process at runtime
- Regulatory compliance in IoT and cyber-physical systems
- Legal Issues and challenges in cyber-physical systems
- Semantic compliance in software systems
- Legal and Regulatory Issues on Data and privacy compliance in cloud
- Regulatory intelligence systems
- Services and tools for compliance management in specific domains (such as financial, healthcare, security, etc.)
- Analysis of legal informatics systems
- Mathematical foundations, languages and specifications for legal knowledge representation
- Methods and techniques for automated workflows generation using NLP
- Socioeconomics and Cultural issues related to the technological advancements on (Intelligence) RS

Import Dates

- **Initial submission due:** July 1st, 2021
- **First round of reviews:** July 15th, 2021
- **Revised/final versions due:** July 30th, 2021
- **Online First:** August 15th, 2021
- **Special issue published:** September 15th, 2021

All contributions (up to 12,000 words) should be submitted following the Law in Context [format and template](#), on the journal website. Submissions can be made [here](#). Please select Special Issue from the menu when submitting your article.

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