Combining Machine Learning and Knowledge Engineering in Practice (AAAI-MAKE 2020) - Volume I: Spring Symposium

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Abstract

This Volume I contains the papers dedicated to the AAAI 2020 Spring Symposium on combining machine learning and knowledge engineering in practice, which is postponed and part of the AAAI 2020 Fall Symposium.

Preface

The AAAI 2020 spring symposium on combining machine learning and knowledge engineering in practice (AAAI-MAKE 2020), which was planned to be held at Stanford University, Palo Alto, California, USA, from March 23 to 25, 2020, has the aim of bringing together practitioners and researchers from various companies, research centers, and academia coming from machine learning and knowledge engineering domains. Despite a voluminous submission phase, and a rigorous and in-depth review by the program committee, the AAAI had to cancel the physical meeting of the Spring Symposium, including this AAAI-MAKE 2020 symposium, due to the spread of Sars-CoV-2, the resulting disease COVID-19. Therefore, AAAI-MAKE 2020 is postponed and part of the AAAI Fall Symposium in Arlington, Virginia, adjacent to Washington, DC, on November 11-12, 2020.

However, it was clear to the authors, participants, organizers, and chairs that, despite the deferring of the physical meeting, everyone will continue to work on a joint AI that is being explainable and grounded in domain knowledge. In consultation with the authors, organizers, program committee, and chairs, the papers shall be published as Volume I, despite the physical meeting had to be postponed. In Volume II, authors have the opportunity to submit an updated/revised version of their papers for the Fall Symposium, subject to a rigorous and in-depth editorial review, as this joint AI research should not and cannot just be suspended due to a pandemic situation.

We are grateful to CEUR-WS.org for relaxing the requirement of a physical location and allowing us to publish this Volume I, which contains a comprehensive collection of different papers from industry and academia with a focus on practical applications on the combination of machine learning and knowledge engineering. The papers of Volume I, the AAAI 2020 Spring Symposium, are presented together with the updated/revised papers of Volume II at the AAAI 2020 Fall Symposium.