Preface

This volume contains 5 of 11 papers presented at the Thirteenth Latin American Workshop on Logic/Languages, Algorithms and New Methods of Reasoning 2020 (LANMR 2020). We include general topics related to Computer Sciences. The prefix LA part of LANMR stands both for "Languages/Logic + Algorithms", as well as for "Latin America". LANMR 2020 was held as a Virtual conference at Universidad Nacional Autónoma de México (UNAM) on December 10-11, 2020. The Thirteenth edition of the workshop was organized by the Benemérita Universidad Autónoma de Puebla, Universidad Autónoma del Estado de México and the Universidad Nacional Autónoma de México through Facultad de Ciencias (PAPIIT IN119920) and Facultad de Ingeniería (PAPIIT IA105420). The aim of the workshop is to bring together researchers from academia and industry worldwide to present recent research results on theory and applications on Logic, Languages, Algorithms and Reasoning Methods. In Latin America, there are several research groups interested in these areas. The number of papers and workshops submitted to different congresses related to Computer Sciences such as IBERAMIA, ENC, and MICAI provides evidence of such interest. So, LANMR workshop is designed to promote cooperation among practitioners and researchers across disciplines who are interested in the formal areas of Computer Sciences. The aims of the workshop were: to present innovative theoretical work and original applications of the formal areas of Computer Sciences, to exchange ideas and to facilitate interaction between researchers of the formal areas of Computer Sciences, to discuss significant recent achievements in the theory and automation based on the formal areas of Computer Sciences, to present critical short and long-term goals for the formal areas of Computer Sciences, to provide a forum for students to present their current research in the formal areas of Computer Sciences, and receive feedback from other students and researchers. We want to thank all authors who submitted papers as well as all the referees for their expertise and the time they put into carefully reviewing the papers. This year the invited speakers were: Joao Marcos from the Universidade Federal do Rio Grande do Norte, Brazil and Fernando Velázquez Quesada from Universiteit van Amsterdam, Netherlands, providing the talks: understanding negation thru' the modal logicians' eyes, and Beliefs Based on Evidence and Argumentation, respectively. We much appreciate the Local Committee and staff for hosting and supporting the Workshop. We are also grateful to the EasyChair team for their support.

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