



Preface

This issue contains a selection of papers that were originally presented at the Ninth Latin American Workshop on Logic/Languages, Algorithms and New Methods of Reasoning (LANMR) held in Valle de Bravo, Mexico, November 5-7, 2014. Since 2004, the Mexican Logic and Computation Mexican Group (GMLogyC) has organized a number of meetings and workshops devoted to Logic and Computational Knowledge Representation. This initiative has been supported by a number of Mexican universities and research institutions. In particular GMLogyC organizes the Latin American Workshop on Logic / Languages, Algorithms and New Methods of Reasoning (LANMR) a meeting of researchers in Computer Science Logic. LANMR workshops have been international forums where the Latin American community interested in formal areas of Computer Science, meets together for presenting and discussing the research and development carried out all over the world.

The objective of LANMR workshops is to bring together active Latin American researchers from different academic institutions who share a common interest in formal areas of Computer Science such as Computational Logic, formal languages, algorithms, and Knowledge Representation. Particular topics of interest are: logic programming and non-monotonic reasoning, logic-related algorithms, answer set programming, knowledge representation, belief representation, paraconsistent logics, deduction techniques, automated reasoning, reasoning about situations and actions, planning, preferences, default and abductive reasoning, argumentation, and other related topics.

The Program Committee selected 8 out of 18 submitted papers for presentation at the meeting. The LANMR 2014 Program Committee members are:

Abascal-Mena Rocío	Acosta Juan Carlos
Arrazola José	Leopoldo Bertossi
Guillermo De Ita	Andrea Formisano
Hérmendez José	Jarmuzek Tomasz
López Aurelio	Zepeda Cortés Claudia

Martínez Trinidad J. Francisco	Medina Nieto M. Auxilio
Montes A. Héctor	Morales-Luna Guillermo
Nieves Juan Carlos	Ortiz Magdalena
Osorio Mauricio	Perrussel Laurent
Pozos-Parra Pilar	Pérez-Aguila Ricardo
Turunen Esko	Valdovinos Rosa-María
Vargas Solar Genoveva	Verdée Peter

The Organizing Committee invited the following researchers to give invited plenary talks at the meeting:

- Leopoldo Bertossi, Carleton University, Ottawa, Canada.
- Guillermo Morales Luna, Cinvestav-IPN, México.
- Raúl Monroy Borja, Tecnológico de Monterrey, Estado de México, México.

The list of the 8 accepted papers are at the Volume 1287 of CEUR Workshop Proceedings. This issue of Electronic Notes in Theoretical Computer Science contains 4 revised papers which were originally presented at the Ninth edition of LANMR workshop. The selection process involved seven from the eight papers from LANMR 2014, according to the original evaluations of the referees. Next, we invited the authors of these seven papers to present a revised version of the original presented paper at LANMR 2014. All the revised papers in this issue were reviewed again by at least one reviewer of the original Program Committee of LANMR 2014.

As the result of that selection process the following four papers were accepted:

- A single proof of classical behaviour in da Costa's C_n systems.
- Using Binary Patterns for Counting Falsifying Assignments of Conjunctive Forms.
- How many times do we need an assumption to prove a tautology in Minimal logic: Examples on the compression power of Classical reasoning.
- On paraconsistent extensions of $C1$.

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