PROCEEDINGS OF THE THIRD CONFERENCE ON COMPUTATIONAL ALGEBRA, COMPUTATIONAL NUMBER THEORY AND APPLICATIONS

University of Kashan, Kashan, December 12-14, 2018

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Abstract. This issue of Facta Universitatis, Series: Mathematica and Informatics includes a selection of 20 papers that were presented at Third Conference on Computational Algebra, Computational Number Theory and Applications in the University of Kashan, Kashan, Iran. This is the 3th in the series of computational algebra conferences held in Iran organized mainly by the University of Kashan, first in 2014.

Keywords: Computational algebra; computational number theory.

Foreword

In the period from 12th to 14th December, 2018, the Third Conference on Computational Algebra, Computational Number Theory and Applications (CACNA 2018) had taken place in Kashan, a city with 7000 years history in the center of Iran. The conference was organized by the Faculty of Mathematical Sciences, University of Kashan. The scope of the conference covered various topics related to computational algebra and computational number theory, including computational group theory, computational number theory, algebraic programming languages, computer algebra, algebraic cryptography, coding theory, algebraic combinatorics and information theory.

The conference was attended by near 100 researchers from Iran, Iraq and Serbia who held 20, 40 and 60-minutes lectures. The keynote speakers of the conference were:

• Bijan Davvaz (Yazd University, Yazd),

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- Ali Reza Moghaddamfar (KNT University of Technology, Tehran),
- Predrag S. Stanimirovic (University of Nis, Serbia).

The conference had also two invited speakers: Majid Arezoomand (University of Larestan) and Ashraf Daneshkhah (Bu-Ali Sina University).

The members of the Scientific and Organizing Committee of CACNA 2018 were:

- Alireza Abdollahi (University of Isfahan),
- Seyed Hassan Alavi (Bu-Ali Sina University),
- Jalal Askari (University of Kashan),
- Ali Reza Ashrafi (University of Kashan),
- Modjtaba Bahramian (University of Kashan),
- Behnam Bazigaran (University of Kashan),
- Hassan Daghigh (University of Kashan),
- Mohammad Reza Darafsheh (University of Tehran),
- Ali Eftekhari (University of Kashan),
- Modjtaba Ghorbani (Shahid Rajaee Teacher Training University),
- Ali Iranmanesh (Tarbiat Modares University),
- Mohammad Ali Iranmanesh (Yazd University),
- Reza Jahani-Nezhad (University of Kashan),
- Reza Kahkeshani (University of Kashan),
- Fatemeh Koorepazan-Moftakhar (University of Kashan),
- Hamid Mousavi (University of Tabriz),
- Majid Mazroei (University of Kashan),
- Akbar Mohebi (University of Kashan),
- Marzieh Pourbabaee (University of Kashan),
- Reza Orfi (Kwarazmi University),
- Farhad Rahmati (Amir Kabir University of Technology).

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