

Preface

This is a special issue containing selected uncertainty-related papers presented at the annual workshops on computational sciences, computer science, and mathematics organized by the University of Texas at El Paso (UTEP) and the New Mexico State University (NMSU) under the sponsorship of the Computing Alliance of Hispanic-Serving Institutions (CAHSI) and the NSF-supported Center of Excellence for Sharing Resources to Advance Research and Education through Cyberinfrastructure (Cyber-ShARE), and at several related meetings.

These papers deal with different types of uncertainty:

- probabilistic (Kreinovich, Nava et al., Ochoa et al.), and, more generally, set-based (Zapata et al.),
- interval (Kosheleva),
- fuzzy (Nava, Wang et al.),
- combination of different types of uncertainty (Ngamsantivong et al.).

Several papers deal with actual and potential applications:

- to software quality assessment (Wang et al.),
- to biochemistry (Ortiz),
- to environmental sciences (Nava et al.),
- to geosciences (Ochoa et al.),
- to quantum physics (Kreinovich),
- to data processing in general (Ramirez et al., Zakharevich et al.),
- to education (Kosheleva).

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co-editors of the special issue