

## Preface

This is a special issue containing selected uncertainty-related papers presented at the annual workshops on computational science, 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 local IEEE Chapter, 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 (both papers by Acosta et al.; Jimenez et al.; both papers by Rodriguez et al.; Urenda, Avila, et al.),
- interval (Bokati and Kreinovich; Edupalli et al.; Jimenez et al.), and
- fuzzy (Servin et al.; Tovar et al.).

Several papers deal with actual and potential applications:

- to biomedical engineering (Urenda, Avila, et al.);
- to civil engineering (Wang et al.);
- to decision making (Edupalli et al.);
- to mathematics education (Bokati, Kosheleva, et al.);
- to pavement engineering (both papers by Rodriguez et al.);
- to psychology (second paper by Acosta et al., and a paper by Bokati and Kreinovich);
- to social sciences (Urenda and Kreinovich);
- to software engineering (Lasley et al.); and
- to systems engineering (first paper by Acosta et al.).

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Martine Ceberio and Vladik Kreinovich  
co-editors of the special issue