Manuel Mora, Ovsei Gelman, Annette L. Steenkamp, and Mahesh Raisinghani

Research Methodologies, Innovations and Philosophies in Software Systems Engineering and Information Systems

Philosophical paradigms, theoretical frameworks, and methodologies make up the answering and problem solving systems that define current research approaches. While there are multiple research method books, the subject lacks an update and integrated source of reference for graduate courses.

Research Methodologies, Innovations and Philosophies in Software Systems Engineering and Information Systems aims to advance scientific knowledge on research approaches used in systems engineering, software engineering, and information systems and to update and integrate dispersible and valuable knowledge on research approaches. This aims to be a collection of knowledge for PhD students, research-oriented faculty, and instructors of graduate courses.

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- Critical Realism
- Formal Ontologies
- Interpretative Information Systems Research
- Organizational Knowledge
- Process Theory
- Relevance in Information Systems Research
- Semantic Map
- Software Engineering Research
- Software Process Research
- Structural Equation Modeling

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Manuel Mora-Tavarez is a Full Professor of Information Systems in the Autonomous University of Aguascalientes (UAA), Mexico, since 1994. Dr. Mora holds a B.S. in Computer Systems Engineering (1984) and a M.Sc. in Artificial Intelligence (1989) from Monterrey Tech (ITESM), and an Eng.D. in Systems Engineering (2003) from the National Autonomous University of Mexico (UNAM). He has published around 50 research papers in international top conferences, books, and/or journals. Dr. Mora has co-edited two books on DMSS and i-DMSS, and serves in editorial review boards for several international journals. His current main research interests are: foundations of service systems, design and evaluation methodologies for DMSS, and foundations of research methods for systems engineering, software engineering, and IT underpinned in the systems approach.

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