

## Introduction

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This special issue grew out of *IEEE International Conference on Electro/Information Technology (EIT)*, hosted by University of Windsor, Windsor, Ontario, Canada, June 8–10, 2009. The EIT conference is organized annually by the IEEE Region 4 (R4). EIT2009 was hosted by University of Windsor and supported by electro technology industries active in the IT field including the MATHWORKS, North American Color.

This conference covered selected topics concerned with electrical and computing engineering and related disciplines with information technology emphasis. The EIT series of conferences was initiated in 2000 and soon became the major gathering for experts in those fields with high quality papers and several keynote speakers known throughout the world. From about 150 papers submitted to the conference, the program committee selected, following a thorough peer-review process 95 papers for publication and presentation in technical sessions. Authors of the twenty six papers considered to be the most innovative and original in terms of computing and information technologies were invited to submit “*substantially extended and updated manuscripts with additional original computation-*

*al materials based on their most recent research*” for possible publication in this issue. It was also noted “*the overlap between the new submission and the paper published in the conference proceedings should not be more than 50%.*” Each submitted extended manuscript was reviewed subsequently using the journal review form. The six manuscripts included in this issue are those that passed through the journal’s rigorous review process successfully.

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