

Preface

The 1st International Conference on Recent Cognizance in Wireless Communication & Image Processing (ICRCWIP-2014) was held in the campus of Poornima Institute of Engineering & Technology Jaipur during 16–17 January 2015. A total of 400 participants, 175 of whom were students, attended the conference. The participants had fruitful scientific and technical discussions and exchanges that made the conference a complete success.

The overall response to the conference was quite encouraging. A large number of papers were received. After careful review, 173 papers were chosen for presentation during the conference. After the conference, an additional round of review was carried out. Among the presented papers, 110 papers were selected for inclusion in the conference proceedings. A very informative panel discussion was also organized during the conference. The aim of the panel discussion was to discuss the advancements in wireless communication, optical communication, circuit design and image processing, and their effects on humans. The discussion was planned to give faculty, academicians, delegates, and students a platform where they can discuss issues and share problems and solutions with each other in a healthy and knowledgeable environment.

The papers appearing in the proceedings belong to these major clusters:

CLUSTER-I Image processing and its application

CLUSTER-II Wireless and microwave communication

CLUSTER-III Nanoelectronics and industry application

CLUSTER-IV Optoelectronics and photonic devices

CLUSTER-V Analog circuit design and its application

These papers represent the most recent research on the respective subject areas. The editors would like to thank all the authors, reviewers, panelists, local organizers, and the session chairs for paying attention to the quality of the publications. Partial financial support for publishing the conference proceedings is received from DRDO.

The contents of this proceedings reveal the breadth of current activities in different themes related to wireless communications and image processing. We hope these will form a useful starting point for beginners as well as practitioners in this discipline.

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