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## Editorial

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**Biographical notes:** A. Umamakeswari is currently working as the Associate Dean in the Department of Computer Science and Engineering, School of Computing, SASTRA University, Thanjavur. She received her Bachelor's in Engineering from A.C.C.E.T., Karaikudi in 1989, Masters degree in 1994 from NIT (formerly REC), Trichy and Doctorate degree from SASTRA University in 2009. She has 25 years of work experience and her research interests are in the areas of computer vision, embedded systems, wireless sensor networks and software engineering. She has presented papers in conferences and published papers in reputed journals. She has done collaborative projects and also organised international conferences.

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This issue contains articles presented at the International Conference on Intelligent Computing and Data Sciences 2014 (ICICDS'14), which took place on September 12th and 13th at SASTRA University, Thanjavur, India. The conference provides a forum for the constructive interaction and exchange of ideas among academicians and corporate individuals involved in research works on the related topics of the conference themes.

Intelligent computing is a growing research area that has gained widespread popularity in different flavours. It is highly correlated with other branches of computer science including artificial intelligence, knowledge data discovery, and cognitive informatics and so on. At present, intelligent computing has no comprehensive foundation and is more of an emerging field than a solid branch of science. The change of focus from methods to challenging problem is advocated, with intelligent computing defined as a part of computer science devoted to solution of non-algorithmic problems.

Data science encompasses the fields of data analytics, signal processing, machine learning, data engineering, high performance computing, data warehousing, data mining, statistics and mathematics. It involves the efforts of solving complex data problems, developing methods to manage large volumes of data sources and to convert the data into actionable intelligence. It also emphasises on processing big data. Data science impacts the way data is managed and accessed in various domains

The topics on which papers were presented at the conference are neural networks, web intelligence, intelligent systems for wireless applications, hybrid artificial intelligence systems, ontology for intelligent systems, data mining and knowledge discovery, big data and cloud computing. They provide an overview of the spectrum of current topics in intelligent computing and data science. The conference was addressed by keynote speakers from International universities and corporations. They provided an insight into the current industrial standards and research probabilities on intelligent computing and data science.

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