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Information Fusion

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Editorial

A special issue on information fusion in medical imaging



*"When you use information from one source,
It's plagiarism;
When you use information from many,
It's information fusion"*

This issue covers the topic of Information fusion in the context of medical imaging computing and systems. It is the twenty-seventh offering in our ongoing series of special issues (and sections). It is the fourth special issue to be published since our recent editorial (Vol. 14, No. 3, pp. 227–228, July 2013), which offered an overview of these special issues.

Among the various application domains covered by these special issues, the area of medical imaging is perhaps likely to attract more attention than most others because of its global impact on the public at large. Information Fusion research community can take pride in their contributions when they get to know that this is being applied towards public good. The issue also offers a window for those forward looking in the medical community to explore the exciting possibility of leveraging the advancements in image fusion R&D for serving their cause.

In order of appearance, the first article is the traditional guest editorial, which introduces the topic and motivation for the special issue. It also provides an overview of the rest of the contents. Next is a fairly detailed survey of the state of the art prior to this special issue followed by nine main contributions. It is hoped that these nine studies, which were selected from among the numerous manuscripts submitted to the Journal through a rigorous peer review process, along with the survey, will provide impetus to further advances to the state of the art in medical imagery and its clinical application in the real world for the benefit of all needing medical attention.

The closing item is once again our customary offering of the recreational column, Finding FUN in FUSION.

कायेन वाचा मनसेन्द्रियैर्वा
बुध्यात्मनावा प्रकृते स्वभावात्
करोमि यद्यत् सकलं परस्मै
श्रीमन्नारायणायेति समर्पयामि

*"Kaayena vaachaa manasendriyaiirvaa
budhyaatmanaavaa prakR^ite svabhaavaat
karomi yadyat sakalaM parasmai
Shriiman naaraayaNaayeti samarpayaami"*

*Be it with my body, or with my mind
With words, or organs of any kind,
With my intellect, or with my soul,
Or by force of Nature pushing me to my goal,
Whatever it is, with all these I do,
Oh! Supreme Lord! I surrender to you.*

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