

---

## DSP2009 – 16th International Conference on Digital Signal Processing

Santorini, Greece, July 5-7, 2009

### *SPECIAL SESSION:*

### **FUSION OF HETEROGENEOUS DATA FOR ROBUST ESTIMATION AND CLASSIFICATION**

Nikos Fakotakis, University of Patras, Greece: [fakotaki@upatras.gr](mailto:fakotaki@upatras.gr)

Todor Ganchev, University of Patras, Greece: [tganchev@upatras.gr](mailto:tganchev@upatras.gr)

---

Fusion of data from heterogeneous sources brings both qualitative and quantitative benefits. Among others, these include: increased confidence, reduced ambiguity of inference, improved detection, improved reliability of estimation, extended coverage, robust operational performance, etc. These benefits are primary due to exploiting the complementary data that each source of information brings, but also due to the inherent properties of multi-sensing approaches. The heterogeneous nature of the aforementioned data sources offers the possibility the fusion process to take place at different levels, such as: object refinement, situation refinement, impact assessment, process refinement, cognitive refinement etc, which depending on the application area usually contributes either to robust estimation of the parameters of a process or to a robust classification of objects/events.

With the present call for papers, original, high-quality contributions are sought regarding theoretical and applied aspects of heterogeneous data fusion. Submissions shall fall in one of the following non-exclusive broad categories:

- Fusion methods for combining heterogeneous data
- DSP applications exploiting heterogeneous data fusion
- Heterogeneous databases in support of DSP applications

Accepted contributions will be published in the conference proceedings and become available for online access via IEEE Xplore: <http://ieeexplore.ieee.org/>.

<i>Important Dates</i>	
Deadline for paper submission – Special Session	<b>February 15, 2009</b>
Acceptance Notification	March 15, 2009

For eventual inquiries, please contact the session organizers:

Chairman: Nikos Fakotakis, University of Patras, Greece: [fakotaki@upatras.gr](mailto:fakotaki@upatras.gr)

Todor Ganchev, University of Patras, Greece: [tganchev@upatras.gr](mailto:tganchev@upatras.gr)

Prospective authors are invited to submit original contributions, not exceeding eight (8) pages, including figures, tables and references. The submission instructions and format are available from [www.dsp2009.org](http://www.dsp2009.org).

Please note that all submissions will be peer reviewed.

The authors should submit full camera-ready manuscripts by accessing:

<http://www.dsp2009.org/default.asp?pg=submission&lng=en>

**A copy of the manuscript should also be sent as an e-mail attachment (in PDF format) to [fakotaki@upatras.gr](mailto:fakotaki@upatras.gr), with CC: [tganchev@upatras.gr](mailto:tganchev@upatras.gr).** Please, make use of the subject “DSP 2009 special session.”