

CALL FOR PAPERS
for
A SPECIAL ISSUE on
SEMIOTICS BASED MANUFACTURING SYSTEM INTEGRATION

Guest Editor: **Prof. Goran D. Putnik**

Department of Production and Systems Engineering, University of Minho, Portugal

e-mail: putnikgd@dps.uminho.pt

Tel. +351-253 510 355; Fax. +351-253 510 343

Submissions are invited on all aspects of Computer Integrated Manufacturing related to Semiotics Based Manufacturing System Integration.

Semiotics perspective of Manufacturing Systems Integration (MSI) provides a wider framework for managing ever growing complexity of information systems and, consequently, of MSI as a part of a wider area of information systems. Semiotics perspective considers information processing at 6 levels: *Physical, Empiric, Syntactic, Semantic, **Pragmatics, Social***

This Special Issue invites contributions especially addressing the *pragmatics* and *social* issues of MSI, i.e. *communicational paradigm* for MSI, intra- and inter-manufacturing enterprise(s).

The papers to be submitted are expected to contribute to, but not limited to, the following semiotics based MSI, intra- and inter- manufacturing enterprises, related topics:

- Integration pragmatics; Generative Integration paradigm and models – concurrent and collaborative co-design and co-creation of the MSI solutions; Dialog as a mechanism for MSI; Human actors interactions and interaction patterns, norms, protocols, negotiation, brokering, cooperation, coordination, collaboration, trust, law, regulations; Linguistic aspects; Sustainability; Reference models; Meta-theoretical frameworks; Learning and Knowledge Management; Holonics; Complexity; Meta-organizations and environments; Integration dynamics for intra- and inter-manufacturing enterprise; Integration management; Integration cost management; Social and cultural aspects; Research programs, projects and Roadmaps – for/of semiotics based MSI;
- Information transaction vs. Information communication based MSI; Semantic web; Pragmatic web; CSCW processes and tools; Information Systems; Technology and the role of technology – for semiotics based MSI;
- Case studies

Papers should be submitted on-line at <http://mc.manuscriptcentral.com/tcim> and clearly titled for the “Special issue on Semiotics Based Manufacturing System Integration”.

| | | |
|-----------------|---------------------------------|--------------------------------|
| Schedule | Papers should be submitted by : | 1 st April 2009 |
| | Refereed by | : 1 st August 2009 |
| | Final Version | : 1 st October 2009 |
| | Publication | : January/February 2010 |

Prospective authors may contact the Guest Editor with abstracts of the intended papers for an early feedback on the appropriateness for submission to the Special Issue.