

International Journal of

Collaborative Engineering

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Scope of the Journal

ISSN: 1745-0039 (Print), ISSN: 1745-0047 (Online)

IJCE addresses collaborative decision-making within engineering, whereby multiple interested stakeholders resolve conflicts, bargain for individual or collective advantages, agree upon courses of action, and/or attempt to craft joint outcomes which serve their mutual interests. IJCE highlights implications that collaborative consensus-building activities have on both the efficiency of technical teams and the quality of their results. This acknowledges the complexity of collaborative engineering as an interface between decision/negotiation processes as well as in the assimilation of social/technical aspects of engineering activities.



Topics covered include:

- Collaborative decision making/analysis
- Distributive/integrative negotiation techniques
- Engineering as collaborative negotiation
- Collaboration science and technology
- Collaborative and concurrent lifecycle engineering
- Socio-technical frameworks for system engineering
- Joint decision making and social choices
- Activity theory for engineering modelling
- Construction of social reality
- Conflict detection, management and resolution
- Technical teamwork, intelligent agents, virtual teaming
- Case studies/applications

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