

International Journal of

Process Systems Engineering

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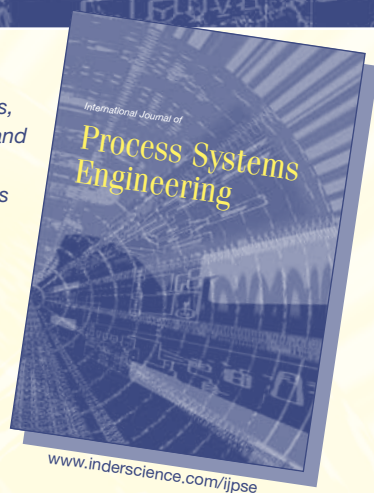
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IJPSE addresses new process systems engineering methods, trends and technologies and applications in plant, process and product lifecycles, including engineering design and operational activities and their interaction. Coverage includes process engineering methods and computational models/simulation link design, operation, maintenance, recycling and other lifecycle activities in different disciplines, including nuclear, energy, power, chemical, pharmaceutical, discrete manufacturing and other production processes; applications in marine, military, transportation, aerospace, steel, mining, health/social systems; state-of-the-art methods, practices and technologies in chemical/mechanical/electrical/information/systems engineering; and energy/environmental sciences.



Topics covered include:

- Process/product synthesis, analysis, design
- Dynamic analysis/control using modelling/simulation
- Design methods for production process equipment
- Novel numerical methods, computation practices
- Process operations, risk management
- Safety/maintenance/reliability engineering
- Quality management, planning and scheduling
- Supply/production/demand chain management
- Integrated manufacturing processes/systems
- Intelligent control, design/operation support systems
- Biomass production processes
- Nano-production processes
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