

International Journal of

Critical Infrastructures

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Scope of the Journal

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IJCIS provides a professional and scholarly forum for cross-learning between different scientific and technological disciplines, and between business and economic, as well as between societal and managerial, disciplines in the area of critical infrastructures. Critical infrastructures are networks for the provision of telecommunication and information services, energy services (electrical power, natural gas, oil and heat), water supply, transportation of people and goods, banking and financial services, government services and emergency services.

Topics covered include:

- Critical infrastructure (CI) design,/protection/management
- Emerging systemic risks: policy, standards and regulations
- Institutional design, market structuring, network regulation
- Risk/vulnerability/resilience based decision-making
- Risk/vulnerability criteria development for assessing robustness
- Governance models/policy instruments in liberalised markets
- System dynamic behaviour
- Vulnerability/resilience economics; behaviour of interdependent CIs
- Cyber security and CI protection
- Stakeholder interactions and trust building
- Advanced control engineering concepts/ICTs in complex networks
- Cross-border interconnections, international harmonisation
- Global CIs; geopolitical risk assessment
- Threat identification/assessment/monitoring models/techniques
- Next generation intelligent infrastructures



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