

 The IEEE Computer Society  
announces a  
**Call for Papers**  
for a *new* journal

**IEEE Transactions on  
Dependable and Secure  
Computing**

The *IEEE Transactions on Dependable and Secure Computing* seeks original manuscripts for publication. This new quarterly will publish archival research results related to research into foundations, methodologies, and mechanisms that support the achievement—through design, modeling, and evaluation—of systems and networks that are dependable and secure to the desired degree without compromising performance. The focus will also include measurement, modeling, and simulation techniques, and foundations for jointly evaluating, verifying, and designing for performance, security, and dependability constraints.

Topics will include, but not be limited to, the following:

- **System Design:** architecture for secure and fault-tolerant systems; trusted/survivable computing; intrusion and error tolerance, detection and recovery; fault- and intrusion-tolerant middleware; firewall and network technologies; system management and administration.
- **Evaluation:** modeling and prediction; survivability and performability modeling; solution techniques; experimental methods including test-bed design, automated fault/attack generation, monitoring, measurement and analysis, workload characterization, benchmarking, and quality of service assessment.
- **Applications:** transaction processing; distributed and pervasive systems; electronic commerce; real-time systems; safety-critical systems; embedded systems; Internet applications.
- **Software Design:** operating system support for detection and recovery; self-checking; fault tolerance techniques; network interfaces and protocols; testing, validation, verification; aging and rejuvenation; reliability and performance.
- **Emerging Technologies:** nanoscale computing; mobile computing; wireless telephony; satellite networks; data mining; wearable computers; multimedia applications; signal processing; quantum computing.