IEEE EMBEDDED SYSTEMS LETTERS

A PUBLICATION OF THE IEEE COUNCIL ON ELECTRONIC DESIGN AUTOMATION

IEEE Embedded Systems Letters seeks to provide a forum for quick dissemination of research results in the domain of embedded systems with a target turn-around time of three months. Submissions are welcome on any topic in the broad area of embedded systems and embedded software, especially but not limited to:

- Architectural and micro-architectural design of embedded systems: micro-architectures, customizable processors, signal processing, multi-processor SOC and NOC architectures;
- Design automation algorithms, methods, and tools for VLSI implementations: specification languages, models and synthesis methods;
- Component modeling and component-based development methodologies; hardware-software co-design, co-design methodologies, design exploration tools;
- Compilation and managed runtime environments for embedded systems; Profiling, measurement, analysis techniques for embedded applications; OS, middleware and support systems for embedded-system design;
- Programming languages and software engineering for embedded or real-time applications;
- Non-functional aspects of embedded systems including low power, reliability, dependability and availability. Low power design and power management;
- Testing, validation, and verification of embedded software;
- Embedded sensor networks and embedded control systems: design, analysis and application to cyber-physical systems;
- Embedded systems security;
- Applications of embedded systems and software: military, avionics, and automotive: case studies, applications of new methodologies and tools to applications with increased system heterogeneity and scale.

Submitted letters must be four pages or fewer, including all figures, tables, and references. Submissions exceeding this length will be returned without review. Papers should use 7.875in x 10.75in (20cm x 27.30cm) trim size and the IEEE transactions two-column format in 9-pt. font. In word counts, this corresponds to roughly 2200 words.

Submissions to IEEE ESL must consist of original work that has not been previously published nor is currently under review elsewhere.

Please mail manuscripts to esl-submissions@cs.ucsd.edu.