



First IEEE International Workshop on Radio Resource Management for Wireless Cellular Networks (RRM-WCN)

In conjunction with
24th International Performance, Computing, and Communications Conference
(IPCCC)

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Radio Resource Management (RRM) in present cellular systems has essentially been optimized for voice services. However, this is not valid if Wireless Multimedia Services (WMSs) are to be supported, since these have different traffic characteristics that need to meet their Quality of Service (QoS) requirements. These QoS can be parameterized as throughput, delay, delay variation (jitter), loss and error rates, security guarantees, etc. Therefore, the need for new RRM strategies to satisfy diverse QoS requirements of WMSs becomes more important.

In this workshop, we intend to address and discuss the technical challenges, ideas, views, and research results in the next generation of wireless cellular networks dealing with radio resource management strategies for wireless multimedia services.

Topics of interest include, but are not limited to:

- Provisioning of multimedia wireless cellular networks and services
- 3G/4G multimedia wireless cellular network management
- Management issues for billing wireless multimedia services
- Policy-based management for wireless multimedia services
- Quality-of-service scheduling and admission control
- Mobility management
- Modeling and analysis of QoS
- Performance evaluation of multimedia wireless cellular networks
- Delay and jitter management for wireless multimedia services
- Multimedia traffic modeling and characterization
- Handoff management
- Bandwidth reservation schemes
- Adaptive QoS control for wireless multimedia
- Dynamic resource adaptation and system optimization for multimedia services
- Dynamic bandwidth management
- Wireless multimedia service security
- System modeling and performance evaluation
- Load, admission, and flow control
- Implementation and test-bed experiments

Submitted papers must represent original material that is not currently under review, and has not been previously published. Paper length should not exceed 20 double spaced pages with reasonable margins and a font size of no less than 11pt, including figures and references, and should include an abstract, not to exceed 150 words. Papers should be submitted in PDF or Microsoft Word format by e-mail to nasser@cs.queensu.ca. Submissions should include a cover page with authors' names, affiliations, fax and telephone numbers and e-mail addresses. All papers will be peer reviewed.

Paper submission deadline: November 20, 2004

Notification of acceptance: December 20, 2004

Final manuscript due: January 15, 2005

More details at: <http://www.cs.queensu.ca/~nasser/conferences/index.htm>