# Topic 17
# Concurrent and Distributed Programming with Objects

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As advocated by the widespread use of JAVA and CORBA based technology, the use of objects is recognized as a major improvement in the development of concurrent and distributed applications.

However, the recent successes of these technologies hide the fact that their use still requires many theoretical and practical studies in order to be fully applicable.

This workshop aims at improving the body of knowledge concerning their use. The papers selected for presentation (one distinguished and five regulars), which cover a wide spectrum of theoretical and practical aspects of concurrent programming including applications, are split into two sessions :

- The former, "Semantics", covering more theoretical aspects, contains two papers describing the verification of dynamic processes using static analyses based on types and on temporal logic. The third paper develops a denotational model for self-inflicted calls in the context of aliasing due to object migration.
- The latter, "Tools and applications", treating more practical subjects, is composed of three papers about UML, CORBA and object-oriented programming for numerical applications.

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P. Amestoy et al. (Eds.): Euro-Par'99, LNCS 1685, pp. 1333–1333, 1999.