

# NORCHIP, a silicon brokers model

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**Abstract.** A Nordic Multi-Project-Chip organization with 26 design groups and 22 follow-up groups from five Nordic countries is described. The model for cooperation, the economy of the project, the applied technique and the impact on both industry and university research are dealt with. So far, 70 designs in three runs have been completed and 9 runs with 200 designs with extensive use of cell libraries are under way in 1983.

Aiming towards submicron technology MPC might be the only possible way for smaller companies and universities to have circuits made.

**Keywords.** Multi-Project-Chip, MPC, silicon broker, cell library concept.

## 1. Introduction

The breakthrough of VLSI technology is expected to have a strong impact on electronics industry. In the Nordic countries with smaller companies this calls for especially powerful methods for making the technique available to as many people as possible in industries and at universities, for education, research and

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