*Dedicated to Professor Iulian Coroian on his 60th anniversary*

# AN INTRODUCTION TO THE THEORY OF
# PARALLEL COMMUNICATING GRAMMAR SYSTEMS

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**Abstract.** In our days, a compiler to be efficient must be quick and a method which appear more often in this way is parallel calculus, method materialized through concurrent languages and a compilers for this. From here come the necessity to develop a formal model for parallel calculus. The results obtained are parallel communicating grammar systems, noted from now GCCP.