

Preface

This special issue is dedicated to corrosion of ceramics. All papers hereafter have been given during the 5th Conference of the European Ceramic Society, held in Versailles, France, on 22–26 June 1997.

Corrosion resistance of ceramics is a main problem, whatever the industrial area they are used in. Non-oxide ceramics have very interesting mechanical properties, but unfortunately at high temperature, they are very sensitive to oxidation. Oxide ceramics are considered to be more resistant to corrosion. Actually, they are used in such severe environments, like aggressive alloy melting, glass melting, cement manufacturing... that corrosion appears to be for these materials a limiting factor of use as well. Thus, an understanding of the mechanisms of corrosion processes at high temperature is a vital

part of industrial progress. The contribution presented in this issue try to improve our knowledge about this problem and to bring some new solutions.

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Victor Gabis
Université d'Orleans, France
Guest Editor