

## Guest Editorial

The problem of reinforcement corrosion has reached alarming proportions in the past three decades, leading to increasing worldwide activity research. The economic burst involved in the construction industry makes this problem the focus of work of many researchers and involves different fields of activity. An interchange of knowledge between researchers of different backgrounds is now absolutely indispensable to develop practical solutions, able to be applied in real structures. Researchers from civil engineering, chemistry, materials, corrosion and mechanical engineering have been joining all the efforts to understand and to minimise this problem.

In spite of the large number of works being developed, sometimes the information is highly dispersed and there is some difficulty in getting a common language between people of different background concerned with the problematic of reinforcing steel corrosion. The aim of this special issue is to give an overview of the state of the art of the corrosion problem of steel in concrete. The main goal is to publish recent information on the fundamentals of the corrosion process of steel in concrete, its monitorisation and quantification and on possible solutions, illustrated by practical cases. Its aim is also to interchange information among different areas of work,

from the fundamental research, to civil and mechanical engineering.

The preparation of this issue would not be possible without the valuable collaboration of all the authors. I deeply acknowledge their effort and availability to write the papers. I also would like to acknowledge to all the referees involved in the revision of the papers.

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With my best acknowledgments to all of you, and my best wishes of success in your research activity, which I am sure will minimise the problems related with reinforcing steel corrosion.

To all, a successful new millennium.

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