

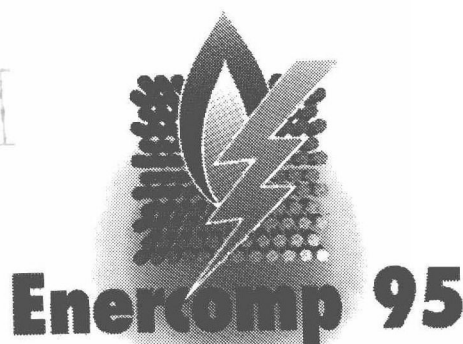
PROCEEDINGS OF THE
**INTERNATIONAL
CONFERENCE ON
COMPOSITE MATERIALS
AND ENERGY**



May 8-10, 1995

**MONTREAL BONAVENTURE HILTON
MONTREAL, QUEBEC, CANADA**

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Canadian Association for Composite Structures and Materials

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LANCASTER • BASEL

**Proceedings of the International Conference on
Composite Materials and Energy (Enercomp 95)**

a **TECHNOMIC** publication

Published in the Western Hemisphere by
Technomic Publishing Company, Inc. 1
851 New Holland Avenue, Box 3535
Lancaster, Pennsylvania 17604 U.S.A.

Distributed in the Rest of the World by
Technomic Publishing AG
Missionsstrasse 44
CH-4055 Basel, Switzerland *

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Printed in the United States of America

10 9 8 7 6 5 4 3 2 1

Main entry under title:

Proceedings of the International Conference on Composite Materials and Energy
(Enercomp 95)

A Technomic Publishing Company book

Bibliography: p.

Library of Congress Catalog Card No. 95-60582

ISBN No. 1-56676-313-4

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Preface

World demand for composite materials is continuously increasing. High strength and rigidity, associated with light weight, are the key factors for composites' success. These materials find numerous applications in all sectors of industry. Presently, a sector of particular interest in terms of demand for composite materials is the energy industry. More and more applications are found in the field of the forms of energy: electrical, petroleum, gas, nuclear, solar and wind. Owing to the special, complex nature of composite materials, extensive R&D effort is still needed and an interdisciplinary approach is essential. Tailorability for specific applications has been one of the greatest attractions of composites. However the use of these materials is facing bewildering problems of complexity in design, wide choice of materials combinations, processing methods, etc. The bright future which has been forecast for these materials will not be possible without sustained effort from a multitude of domains of science and technology. For anything valuable to be achieved, there must be close collaboration of scientists and engineers from various disciplines.

The theme of this international conference is Composite Materials and Energy. The objective of the conference is to create a forum for the exchange of technology between two important, rapidly growing industries: energy and composite materials. It aims at providing a unique opportunity for scientists and engineers from the energy and materials sectors to share their precious experience. The topics addressed in various sessions of the conference are listed in the Contents, and cover potential applications of the entire range of polymer, metal and ceramic composites in all sectors of energy. As chairman of the technical committee, I would like to express my thanks to the authors for the excellent quality of the papers, and for sharing with us their valuable insight into these fascinating fields, as well as to other active participants of the meeting.

TOAN VU-KHANH
Chairman, Technical Committee

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