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Nondestructive Testing of Materials and Structures

AMAS Course – NTM'02
Warsaw, May 20-22, 2002

edited by

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Foreword

This is the first volume published in the series of proceedings of Workshops organised by the IFTR agenda: *Centre of Excellence for Advanced Materials and Structures* (AMAS). In this volume are included the lectures presented at the international Workshop on *Nondestructive Testing of Materials and Structures NTM'02.*

The general aim of the Workshop was to have presentations of state-of-the-art on a range of nondestructive (NDT) methods of testing related to structures, properties and modelling of response of advanced materials. It was addressed to students and researchers in the areas of material science and mechanics or durability of materials and structures. The lectures were concerned with following NDT methods:

- ultrasonic,
- electromagnetic,
- vibration measurements
- radiography
- acoustic emission,
- visual,
- solid state.

Julian Deputat and Zbigniew Ranachowski were coordinators of the Workshop. Professor Julian Deputat is a head of Ultrasonic Material Testing Laboratory and Assistant Professor Zbigniew Ranachowski is a head of the Laboratory of Acoustic Emission Signals Processing, both at the *Institute of Fundamental Technological Research, Polish Academy of Sciences* (IFTR PAS).

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