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**Paul Schiopu
Cornel Panait
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Editors

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Introduction

The Conference Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies IV, ATOM-N 2008 is hosted in Constanta, one of the most important academic, cultural, and industrial centres in Romania, is located in the historical region of Dobrogea. This year's conference sessions will mark eight years of Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies existence, during which it has permanently gathered the youth spirit, as well as the experience of the most appreciated scientists in the field of micro and nanotechnology in optoelectronics: a domain that has been instrumental in scientific applications worldwide.

Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, ATOM-N 2008 has gathered a high number of papers. We have received over 140 abstracts from all over Europe and the United States. Due to the efforts of the Scientific and Program Committee, 104 papers by authors from 10 countries were selected for presentation: 4 invited lectures, 30 oral lectures, and 70 poster papers. We would like to express our thanks to the Organizing Committee for their enthusiastic and efficient work. We would like to extend our warmest thanks to all authors that attended the conference to present their scientific work.

In the name of the organizers, we are pleased to welcome you at the fourth edition of the Conference Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies, held at Maritime University. We wish to all the participants to this prestigious meeting, to have both an interesting professional experience as well as moments of relaxation, while discovering the multicultural aspects of the academic city of Constanta. We would like to thank to the organizations that offered us assistance and support to organize the conference:

- Ministry of Education and Research, Bucharest (Romania)
- Electromagnetica-GoldStar, Bucharest (Romania)
- Nitech S.R.L., Bucharest (Romania)
- Electrica S.A., Bucharest (Romania)

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**Paul Schiopu
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