

# Presentation

*It is a great pleasure to have the opportunity to congratulate you for the beginning of WAVES, both as Regional Minister of Education and as a researcher. The regional government, through its Ministry of Education, is a public body that fully supports research activities in our region. As Regional Government, it tries to cover all the needs of the researchers of the region in order to keep the Comunitat Valenciana as a model of European region that develops and actively supports state of the art research on very different areas.*



**Alejandro Font de Mora Turón**  
Regional Minister of Education  
Generalitat Valenciana

*Public dissemination of research activities is one of the basic pillars of scientific development and only when we are able to outreach the community and the general public, our mission to promote knowledge is fulfilled.*

*We believe WAVES will show the community the state of the art research developed in the Institute of Telecommunications and Multimedia Applications, its position as an international reference on the field and its commitment to research and development activities.*

## Message from the Rector



**Juan Juliá Igual**

Rector of the Universidad  
Politécnica de Valencia

*I am pleased to warmly welcome readers to the first issue of WAVES, published by the Institute of Telecommunications and Multimedia Applications (iTEAM) at Universidad Politécnica de Valencia.*

*The publication of research findings is an important part of the research process, as any scientific work is not concluded until its results are released into the public domain. The production of new knowledge lies at the heart of the university's mission and we must contribute to spreading that knowledge throughout society.*

*The telecommunications industry is ex-*

*periencing a time of extraordinary changes. New technologies are offering new opportunities and challenges for research practices and the launching of a new journal in the Telecommunications Engineering field represents*

*a significant step forward in the spread of knowledge and understanding as well as comprehensive information on the latest technological breakthroughs.*

*I would like to congratulate the contributors to this first issue, and not least the editorial team, on their success in setting a high standard on which to build the quality and reputation of this journal.*

# Message from the Director



*Welcome to Waves! It is an honour and a privilege for me as the Director of the Institute of Telecommunications and Multimedia Applications (iTEAM), a research institute of the Universidad Politécnica de Valencia (UPV), to have the opportunity of addressing you on this special occasion.*

*ITEAM's mission and vision is to coordinate, nurture and foster the necessary synergies between its different research groups to harness the potential that information and telecommunications technologies bring to a wide variety of applications.*

*Since its foundation, back in 2002, ITEAM's activity has been growing steadily to a current state in which both public and private research indicators put us at the*

*forefront of UPV's research institutes.*

*No doubt this successful trajectory is, first of all, due to the excellent quality of our researchers and group leaders, but also, it is the result of our University's*

*bid for high quality research, as stated on its currently developing Strategic Plan.*

*Waves, is aimed as an annual dissemination forum of our most notable research, development and innovation activities. The reader will find a selection of papers reporting the most relevant research results framed within our currently on-going research projects. The style, without giving up to their technical content, has been carefully controlled by an external peer reviewing process in order to assure and amenable and instructive reading. Enjoy it!*