**CALL FOR PAPERS**


## IEEE PIMRC 2008 - VoIP Technologies


VoIP Technology: Research and Standards for reliable applications
http://www.cs.uoi.gr/~voippimrc08/


### AIM OF THE WORKSHOP

The trend to all IP-based networks has been fuelled by the Internet's flexibility that allows the development of innovative services. In this context, the integration of heterogeneous infrastructures as well as applications is of paramount importance. Voice over IP (VoIP), also referred to as Internet or IP telephony, is an example of application that brings the well-known circuit-switched service to the context of IP-based networks.

Over the last years, VoIP has received the wide acceptance of users and network operators due to its countless benefits. While users enjoy the flexibility and the monetary savings that VoIP provides, service providers take advantage of its cost-effectiveness. Although VoIP has evolved rapidly, recent advances provide new opportunities for meeting numerous daunting challenges for reaching the quality of traditional telephony service. To this end, he VoIP community is taking advantage of new networking technologies (i.e., WiMAX, Wireless Mesh networks, overlay networks, etc) and innovative design trends and technologies (i.e., cross-layer architectures, QoS advances, network coding, etc).

The aim of this workshop is to serve as a forum for scientists and engineers from academia, industry as well as from regulatory and standardization authorities, where they could share recent advances and design trends in VoIP technology.


### TOPICS OF INTEREST

The aim of this Workshop is to cover a wide spectrum of topics related to VoIP communications, ranging from QoS mechanisms to the design and performance evaluation of different VoIP components. Original papers are solicited that present research, development and deployment issues and challenges, as well as experimental results and applications in the area of Internet Telephony. The topics of interest include but are not limited to:

* Emerging VoIP services in all-IP mobile networks
* Cross-layer design of VoIP services
* Call continuity between VoIP and traditional circuit-switched networks
* VoIP over Heterogeneous Networks
* Test methods and measurments
* Design, implementation and VoIP testbed results
* QoS mechanisms tailored to VoIP transmission
* Header Compression schemes
* Voice codecs and silence suppression
* VoIP over WLAN, WiMAX and Wireless Mesh Networks
* Call admission control and QoS support for VoIP
* Security in VoIP communications


### SUBMISSION OF PAPERS

Submitted papers should be 5 double-column pages (over-length pages will be charged according to PIMRC policy). Both submissions and full papers should be uploaded to the VoIP Technologies Workshop submission track in the EDAS system. Papers should be in English and formatted according to IEEE paper templates available on the PIMRC'08 website. For more details on the workshop please visit the webpage http://www.cs.uoi.gr/~voippimrc08.

Papers will be reviewed by the program committee for their technical merit, originality, significance, readability, and relevance to the workshop. Emphasis will be given to papers extending VoIP technology to novel areas as well as to papers coming from industry. Submissions are due on April 11. Authors will receive notification of acceptance/rejection by May 19. Camera-ready copies of accepted papers are due on June 2 and will be published in PIMRC' 08 proceedings. The maximum length of final papers will be 5 pages in double column.

## IMPORTANT DATES

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| Submission deadline for full papers: | Friday, April 11, 2008 |
| Notification of acceptance : | Monday, May 19, 2008 |
| Camera-ready copy hard deadline: | Monday, June 2, 2008 |
| Workshop date: | Monday, September 15, 2008 |

## WORKSHOP CHAIRS

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| Fotini-Niovi Pavlidou | Aristotle University of Thessaloniki, Greece |
| Qian Zhang | Hong Kong University of Science and Technology, Hong Kong |

## TPC CHAIRS

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| Jorg Ott | Helsinki University of Technology, Finland |
| Evangelos Papapetrou | University of Ioannina, Greece |

## PROGRAM COMMITTEE

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| Colin Perkins | University of Glasgow, UK |
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