Call for papers

Mobile Image/Video Transmission
Special issues of Signal Processing: Image Communication

As mobility becomes a major challenge in future multimedia communications, a key issue is how to transmit and protect a highly sensitive video portion of multimedia against hostile multi-path fading environments. In addition, the recent announcement to allocate a 350 MHz bandwidth in the 5 GHz band in the USA, and a 5 GHz HIPERPLAN in Europe, is a clear indication of the move towards broadband cellular multimedia communications. Thus, the main objective of this special issue is to report on the ongoing research activities and complex technical issues related to the coding, transmission, and distribution aspects of the visual information part of wireless multimedia.

Papers are invited on the following topics:
- Cellular Video Telephony
- Nomadic Imaging Applications (cameras with RF/IR connections)
- Resource and Cellular access management
- System and Transport (i.e., Wireless ATM, Mobile ATM, MAC services with associated QOS, Traffic classes: ABR, CBR, VBR, UBR, etc.)
- Translating QOS from User terms to Network terms
- Multipath Fading Effects and Error Concealments
- Combined Source/Channel Coding
- Video Compression related to Wireless Applications
- Transmission and Modulations
- Implementation (i.e. power consumption and energy conservation, etc.)

Papers should be sent to the Reference Editor.

Deadline for the submission of papers:
26 January 1997
Publication date:
August 1997

Guest Editors
Prof. Hamid Gharavi (Reference Editor)
Dept. of Electronic & Electrical Engineering
Loughborough University
Leicestershire LE11 3TU
United Kingdom
Tel.: +44-509-222891
Fax: +44-509-222830
E-mail: H.Gharavi@lut.ac.uk
Dr. Charles N. Judice  
Networked Imaging Technology Centre  
Eastman Kodak Company  
1447 St. Paul Street  
Rochester, NY 14653  
USA  
Tel.: +1 716 253-5574  
Fax: +1 716 253-6248  
E-mail: cnjudice@ite.kodak.com

Dr. Hiroshi Yasuda  
Vice President, Director  
NTT Information and Communication Systems Labs.  
1-2356, Take, Yokosukashi, 238-03  
Japan  
Tel.: +81 468 59 3100  
Fax: +81 468 59 3725  
E-mail: yasuda@plan.isl.ntt.jp