

INTRODUCTION

The workshop will cover current and emerging technologies in the field of Video processing. The participants will be introduced to the fundamental concepts in the field of Video processing and will be explained the current techniques in the area including exposure to some of the more popular Video standards.

THE WORKSHOP

The workshop will be conducted over ten days with lecture sessions in the evening 6:00 M to 9:00 PM followed by open discussions.

LECTURES WILL COVER

- Video Processing Fundamentals: Video Signal Representation - frames, fields, colour system, PAL, NTSC, etc.
- Basic Compression information theoretic issues: vector quantisation, transform coding , R-D curves, entropy coding
- Still Image Compression (JPEG & JPEG 2000)
- Video Compression -1 (MPEG-1 & MPEG-2)
- Video Compression-2 (H.264)
- Video Compression-3 (MPEG4 – basics, object coding, systems)
- MPEG-7 and Video content processing.
- 3-D TV: Introduction, Compression

FACULTY

Prof. Santanu Chaudury *Elect Eng Dept.* *IIT Delhi*
Dr. Sumantra Dutta Roy *Elect Eng Dept.* *IIT Delhi*
Dr. Brejesh Lall *Elect Eng Dept.* *IIT Delhi*

WHO CAN PARTICIPATE?

Professionals from industry, scientists from R&D establishments, teachers from Universities / colleges and students will benefit from participation in this workshop.

ACCOMODATION

The participants are expected to make their own arrangements for stay. The organizers will try to book accommodation on payment basis within the guest houses of IIT Delhi, if requested sufficiently in advance through the Registration Form and subject to availability.

REGISTRATION

The fees will be Rs. 20, 000/- per participant.

The registration will be on first-cum first serve basis.

The fee will be payable by DD/Cheque (payable in Delhi) in favour of "FITT, IIT Delhi"

Last date for registration: **4th March 2012**

REGISTRATION FORM

**Workshop on
Advances in Video Processing
(19th March – 30th March, 2012)**

Name: _____

Designation: _____

Gender : M / F

Organisation: _____

Address: _____

Email: _____

Phone.: _____

Fax: _____

*Delegate Type: From Industry
/Research Lab/Academics/Student*

Motivation for attending the workshop:

*Accommodation required **Yes** **No**

*subject to availability

Fees Payable to "FITT, IIT Delhi"

Draft/Cheque No.: _____

Dated: _____

Rs _____

Drawn on: (Bank) _____

Signature: _____

For further information please contact:

Coordinator(s)

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Please send your registrations to:

Mr. K. K. Roy
Manager (Tech./Admn.)
Foundation for Innovation and Technology
Transfer, (FITT)
Indian Institute of Technology Delhi,
Hauz Khas, New Delhi – 110016

Phone: 011- 2685 7285, 2659 7164
Fax: 011-2685 1169
Email: kirityroy@yahoo.com, uaswal@gmail.com

Workshop

on

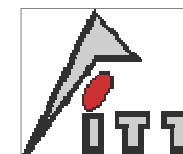
Advances in Video Processing

19TH MARCH – 30TH MARCH 2012

IIT Delhi



Under the Aegis of



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Transfer, (FITT), IIT Delhi