



*Colloquium on*  
**TECHNOLOGICAL ADVANCES AND APPLICATIONS IN  
PSYCHOLOGY**

**Department of Humanities & Social Sciences  
Indian Institute of Technology Kanpur, India**

The colloquium on TECHNOLOGICAL ADVANCES AND APPLICATIONS IN PSYCHOLOGY was organized by the Department of Humanities and Social Sciences, IIT Kanpur on October 10-11, 2014. The speakers discussed how technological advancements in the last two decades have influenced psychology. Besides specific software, recent advances in imaging technology, eye-tracking technology and augmented reality have demonstrated how cutting-edge technical advances have influenced the traditional behavioural sciences research. The speakers illustrated how advances in the technological domain have been used for behavioural research. This event had speakers from academia, industry as well as R&D organizations.



The colloquium was inaugurated by the Director of IIT Kanpur Prof. Indranil Manna. The organizer, Prof. Braj Bhushan, gave an overview of the colloquium and elaborated the interdisciplinary nature of the event. Prof. Suraji Sinha, Head of the Department of Humanities and Social Sciences, IIT Kanpur, extended the vote of thanks.

**Details of presentations**

**Technological advances and behavioural research:  
A review—**

Ahmed Sameer & Braj Bhushan  
*IIT Kanpur, India*



**Non-traditional research: Technology and  
Psychology—**

Manas K Mandal  
*DRDO, India*



**Forensic application of psychology and technological advances—**

SB Upadhyaya, S K Rawat

Sangeeta Seth

Kavita Dwevedi

*Forensic Science Laboratory, India*



**Evaluating an unitary model for predicting the fitness to drive in healthy respondents and stroke patients—**

Marcel Berthold, Rudolf Debelak,

Markus Sommer & Marco Vetter

*SCHUHFRIED GmbH, Austria & University of Graz, Austria*



**Virtual Reality (VR) as a tool to study and treat anxiety and stress responses—**

Paul Pauli

*University of Würzburg, Germany*



**Design and control of a three finger exoskeleton for rehabilitation of stroke patients—**

Ashish Dutta

*IIT Kanpur, India*



**Genetics and Behaviour—**

S. Ganesh

*IIT Kanpur, India*



A special discussion session was the major highlight of the event. The participants talk about possible psychosocial scenarios and problems wherein the researcher might get benefited by the approach talked about in this colloquium.