

# IRG Activity Report

Date of Submission: 5 / 12 /2012

## 1. IRG code and name of IRG

- 1) IRG code: IRG -04 -2005
- 2) Name of IRG – IRG SCAFT

## 2. List of research members

Professor Ashok Kumar GWAL (Head of Research)  
Head of Department  
Department of Physics  
Barkatullah University, INDIA  
Fax: +917552491823  
E-mail: [ak\\_gwal@yahoo.co.in](mailto:ak_gwal@yahoo.co.in)

Bahram Mojarrabi (Representative, Secretary)  
Director of Research  
Catt Systems,  
Caboolture, QLD, Australia  
E-mail: [staff@cattsystems.com.au](mailto:staff@cattsystems.com.au)

Dr. Shourabh BHATTACHARYA  
Lecturer  
Department of Applied Physics  
Madhav Institute of Technology and Science,  
Gwalior- 474 005, M.P., India  
E-mail: [shourabhbhattacharya@gmail.com](mailto:shourabhbhattacharya@gmail.com)

## 3. Purpose and Mission of IRG

To apply the concepts and methods from the emerging science of complex network and Superstatistics to the design and planning of a futuristic global integrated transport and urban system.

## 4. Achievements of IRG in 2011-2012

- 1) Paper, report and book

The abstract paper "Proposing social capital exergy of the Humanitarian Hubs as an indicator of happiness" has been approved by WCTRS Scientific Committee for Rio de Janerio 2013 conference.

- 2) Seminar, symposium and special session: (Title, Date, Venue & abstract)

- 3) Group meeting:  
(Date, Venue & abstract)

- 4) Result of application for the research grants:

(Name & result)

5) Promotional activities of your IRG:  
(Homepage, Newsletter, Mailing list etc.)  
www.scaft.info

**5. Will you continue your IRG's activity till 2013 EASTS conference?**

**Please select the answer. (Yes / No) Yes**

We will submit the final report of the IRG based on original purpose and mission of the IRG by next year EAST Conference or by end of 2014 at most if it is needed.

**6. Future research plan and including time frame with the following items:**

Our early data suggest that walking the path of the configuration landscape of global integration system can proceed faster along the superstatistical preferred clustered dynamical states. We intend to seek the support of Japan International Cooperation Agency (JICA) to help us to sample larger pool of data if possible.

-Writing the final report for 2013 EAST conference.

- Possibility to hold seminar and symposium (Date & Venue)

- Special considerations to young researchers