

Indo-German Symposium on “Smart Cities: Challenges & Opportunities” Berlin, Germany on 27-29 April 2016 Call for Participation

The Event

In an endeavour to promote Indo-German Research partnership, the Indo-German Science & Technology Centre (IGSTC) is organising a symposium on “Smart Cities” in association with FICCI (India), Nexus Institute (Germany) and PTV AG (Germany).

“Smart Cities – how can the scientific community in India and Germany learn from each other?”

Cities of the future have to be CO₂-neutral, energy efficient and well adapted to climate change in order to ensure a high quality of life. The challenge of transition affects major cities worldwide, including Europe but particularly megacities in countries like India. Research and Development is needed in various aspects to accompany and facilitate this process. This includes among other things a highly networked infrastructure based on IT solutions, new forms of mobility and an efficient use of energy. However the transition will only be possible if it is supported by the right governance structures and if solutions are accepted by the general public.

The Governments of India and of Germany have identified urban development as a key political issue for the future. Both have published concept notes: “Draft Concept Note on Smart City Scheme” (India¹) and “Zukunftsstadt: Strategische Forschungs- und Innovationsagenda” (Germany²), which match within several agenda items. The German agenda refers to the special relevance of international experience and to utilize, exploit and connect German expertise and research results with foreign countries. It is therefore in the interest of both countries to join forces and build new networks to merge research efforts in both countries. **To fill this gap and carry forward the agenda, IGSTC is now organizing the “Smart City” Symposium.**

Format

Introductory talks will set the scene, whereas the symposium later on will focus on governance and integrative planning approaches. In the interactive part there will be working sessions at five “thematic roundtables”:

1. Energy and Buildings
2. Mobility and Management
3. Waste Management and Sanitation
4. Water
5. Communication – Safety – Security

Each theme-table is headed by a moderator discussing 2-3 concrete questions with a group of participants. The participants will rotate between the tables to ensure a broad input and to foster fertilization of ideas. For further information **please see the draft program.**

Cross-cutting questions for the discussions are:

- How do infrastructure and services need to be built and managed to cater the needs of the citizens of tomorrow?
- What is the role of governance and public participation in the process of planning, implementation and management of the Smart City?

Aim of the symposium

The principle aim of the symposium is to identify areas where cooperation between German and Indian researchers is most relevant. Furthermore the symposium will give the opportunity to identify new partners for collaborative research projects and to identify project ideas. After the symposium IGSTC **may** publish a call for research proposals.

¹ http://indiansmartcities.in/downloads/CONCEPT_NOTE_-3.12.2014_REVISED_AND_LATEST_.pdf

² http://www.nationale-plattform-zukunftsstadt.de/BMBF_NPZ-FINA_Ansicht.pdf

About IGSTC

Indo-German Science & Technology Centre (IGSTC) was established by the Department of Science and Technology (DST), Government of India, and the Federal Ministry of Education and Research (BMBF), Germany to facilitate Indo-German R&D networking through substantive interactions among government, academia/research system and industry to foster innovation and application for the overall economic and societal developments of both the countries. The Centre envisions to:

- advance industrial research partnership with mutuality of interest and respect
- create a platform for cross fertilisation of ideas
- develop knowledge networks for industrial sectors to enhance competitiveness
- establish joint knowledge pools to address global challenges and
- serve as a Nerve Centre to promote Indo-German technology partnership

Who can apply

Applicants from Indian or German research organisations/institutions, universities, state and non-state institutions of higher education, public or private companies, civil society groups and local authorities are eligible to submit applications.

Applicants should be in regular positions only with comparable relevant working experience. (An Indian / German company is defined as one which is registered in the respective country with 51% or more ownership held by the respective countries citizens).

Submission

Interested persons should submit their proposal online within the given format. Please upload your CV including the five most relevant publications/relevant work experiences/presentations made (1 page only).

For submission please use the following link:

<https://secure.pt-dlr.de/pt-conference/conference/IGSTC>

Applications should be submitted **no later than 29 February 2016**. Expressions of Interest by young scientists are encouraged. Each selected participant shall prepare a poster representing his work.

Financial Support

IGSTC will bear all costs of the symposium including meals and accommodation for **all participants**. Travel costs to Berlin will be covered for Indian academic/research participants only. **Industry participants are expected to meet the travel expenses themselves.** IGSTC will pay no daily allowance.

Procedure

For further information, interested persons may contact

<u>INDIA</u>	<u>GERMANY</u>
Dr. P.V. Lalitha Indo-German Science and Technology Centre (IGSTC) Ph: + 91 124 492 9407 Email: lalitha@igstc.org	Dr. Martin Goller / Sara Sabzian DLR-PT / IGSTC German Office German Aerospace Centre Ph: + 49 228 3821 1407 / 1420 Email: martin.goller@dlr.de / sara.sabzian@dlr.de
Ms. Udit Dasgupta (especially industry applicants) Urban Infrastructure & Smart City Division Federation of Indian Chamber of Commerce & Industry Phone: 91-11-23487272/ 23487362 E: udita.dasgupta@ficci.com	

All applications will be reviewed by the scientific advisory board. The advisory board will select the successful candidates, which will be notified by 2nd week of March 2016.

Entry into force

These funding regulations will enter into force on the day of their publication on the IGSTC website.

**Indo-German Symposium on
“Smart Cities : Challenges & Opportunities”**

27 - 29 April 2016

Expression of Interest for Participation

Name:	
First Name:	
Institution:	
Division / Institute:	
Address:	
Zip Code, City:	
Phone:	
Email:	
Homepage:	

Main Interest (please tick two)

- Energy and Buildings
- Mobility and Management
- Water
- Waste Management and Sanitation
- Communication, Safety and Security

Excursion/Field Trip

- I would be interested to participate in an excursion on April 29, 2016

Why do you want to join the Symposium? (max 1.500 characters incl. blanks)

Please describe the part of your research or business area with relevance to smart cities. (max 1.500 characters incl. blanks)

Please describe your former contacts to India or Germany. (max 1.000 characters incl. blanks)

Please upload your CV. If suitable include your five most relevant publications/list of presentations made (1 page maximum)

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“Smart Cities: Challenges & Opportunities”
27-29 April 2016, Berlin (Germany)**

Draft Programme

1.00 PM – 1:45 PM	Registration
2:00 PM - 3:00 PM	Welcome notes and Introduction <ul style="list-style-type: none"> • State Secretary BMBF (tbc) • Ambassador of India (tbc) • IGSTC
3:00 PM – 4:00 PM	Lectures <ul style="list-style-type: none"> • India: 100 Smart Cities Initiative • Germany: National Platform: “Zukunftsstadt” (Future City) • Key Note: Smart Cities – from concept to reality
4:00 PM – 4:30 PM	Coffee Break
4:30 PM – 6:35 PM	Thematic Framing of the Subtopics <i>(20 min + 5 min discussion)</i> <ul style="list-style-type: none"> • Energy and Buildings • Mobility and Management • Waste Management and Sanitation • Water • Communication, Safety and Security
6.35 PM – 7.00 PM	Introduction to the methodological approach for the following day
Networking Dinner	

Day 2

8:30 AM – 9:00 AM	Tea/Coffee
9:00 AM – 9:30 AM	Planning (Cross cutting issues I)
9:30 AM – 11:00 AM	Working sessions I (Thematic tables) - parallel sessions <ul style="list-style-type: none">• Energy and Buildings• Mobility and Management• Waste management and Sanitation• Water• Communication, Safety and Security
11:00 AM – 11:30 AM	Tea/Coffee Break
11:30 AM – 12:00 AM	Governance & Regulation (Cross cutting issues II)
12:00 AM – 1:30 PM	Working sessions I (Thematic tables) - parallel sessions <ul style="list-style-type: none">• Energy and Buildings• Mobility and Management• Waste management and Sanitation• Water• Communication, Safety and Security
1:00 AM – 3:00 PM	Lunch and Poster Session
3:00 PM – 4:15 PM	Report of Rapporteurs <i>(15 min + 5 min discussion)</i>
4:15 PM – 4:45 PM	Discussion
4:45 PM – 5:00 PM	Final Statement

Day 3

9:00 AM – 1:00 PM	Excursion/Field Trip
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