

**Professor**

Department of Architecture & Planning  
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**GAURAV RAHEJA, Ph.D., DAAD Fellow**

**Biosketch**

Dr. Gaurav Raheja is a Professor of Architecture at the Indian Institute of Technology (IIT), Roorkee with over **thirteen years** of teaching and research experience. He is also an Associated Faculty at the Centre for Excellence in Transportation Systems (CTRANS) and has been recently appointed as Co-Cordinator of **Design Innovation Center** at IIT Roorkee. Driven by a passion for human centric focus on built environments, he is guided by sociological and participatory approaches to urban and architectural reality. His professional interests in research and practice include human-space interaction studies, inclusive designs for persons with disabilities, children and ageing populations, accessibility planning and universal design, environment behavior studies, urban futures, contemporary world architecture and pedagogy of architectural education.

Dr. Raheja, has developed and initiated **Laboratory of Inclusive Design** at the Department of Architecture and Planning at IIT Roorkee towards spearheading research initiatives in inclusive futures. Based on his doctoral research, he has recently authored a book titled **Enabling Environments for the Mobility Impaired in Rural Areas** foreworded by Prof. Edward Steinfeld, Director, IdeA Center, at State University of New York (SUNY), Buffalo and published by Lambert Academic Publications, Germany (2016). His doctoral research focuses on accessibility issues in low resource contexts of India including sanitation and other mobility perspectives. He has been a DAAD (German Academic Exchange Service) Fellow under the **DAAD IIT Faculty Exchange Fellowship for 2016 and 2019** and was a visiting professor to various German Universities including Technische Universität Berlin, University of Duisburg-Essen and Technische Universität Darmstadt. He has also received a Fellowship for **International Research Stay as Guest Scientist for 2017** at **T U Berlin**. He is a recipient of the **Mphasis Universal Design Award in 2010**, conferred upon him by the National Centre for Promotion and Employment of Disabled Persons (NCPEDP), India for his professional design and research contributions in the domain of accessibility and creation of barrier free environments for persons with disabilities. He has also contributed towards the development of the **National Standards on Accessibility** published in 2016 by Ministry of Urban Development, titled as Harmonised Guidelines for Accessibility for Persons with Disability and Elderly Persons.

Dr. Raheja was **one of the thirty International Scholars** selected for 'City of the Future', the DAAD Science Tour held during February, 2016. Further, he was selected as an expert for the '**Smart Cities: Challenges and Opportunities**' organized by the Indo German Science Technology Centre held in Berlin. He has also been a recipient of the funding by the Excellence Initiative of the German Federal Government to participate in an International Summer School on Smart Cities titled '**SynCity: The City of the Future**' in 2014 and '**Construction Bionics : Bio inspired concepts for Built Environment**' in 2017 at Technical University of Dresden, Germany.

He serves advisory roles as Expert Member in various **national committees** on accessibility standards, conceptualization of **National Institute of Universal Design (NIUD)** and **National Awards on Barrier Free Environment** by Govt. of India in Ministry of Urban Development and

Ministry of Social Justice and Empowerment, respectively. Dr. Raheja is one of the co-authors of the **Universal Design India Principles(UDIP)**, copyrighted and released by National Institute of Design (NID), Ahmedabad in 2011. He is a **key consultant and an empaneled access auditor** to the Ministry of Social Justice and Empowerment, Govt. of India.

Under the Accessible India Campaign, 2015, he has led some of the prestigious access audit projects including **Prime Minister's Office, Indira Gandhi International Airport (T-3, T-1D, T-1C), New Delhi, New Delhi Railway Station, North Block and South Block, Central Secretariat, New Delhi**. Recently, he completed the Access Audit of the prestigious and historically known Convention Centre called **Vigyan Bhawan** for making it accessible to Persons with Disabilities. His doctoral research cited in **World Disability Report 2011, published by WHO & World Bank**, offers an insight into creation of Enabling Rural Built Environments using Universal Design approach.

He has for long been actively involved in the transformation of the **Indian Institute of Technology (IIT), Roorkee** campus into a universally accessible and barrier free environment. He has served as an accessibility consultant to **Jawaharlal Nehru University (JNU)** campus in New Delhi and **Tata Institute of Social Sciences (TISS)** campus in Mumbai.

Dr. Raheja has developed core and elective courses as some of the early initiatives in India on **Barrier Free Transportation and Universal Design & Accessibility Planning** at Post graduate level (M.Arch. & M.Tech.) in Infrastructure Systems and Architecture & Planning respectively at IIT Roorkee. He has delivered several invited talks, keynote addresses in the domain of Universal Design, Inclusion, Accessibility and Design education at Institute of Transport Research, DLR (German Aerospace Agency), Berlin, INEAST, University of Duisburg, T U Darmstadt, IIM Ahmedabad, WHO South East Asia Regional Office, New Delhi, TISS, Mumbai, JNU, New Delhi, Green Build India organized by US Green Building Council at Mumbai and several others. He has successfully organised an MHRD supported GIAN (Global Initiatives of Academic Networks) Course at IIT Roorkee on **Universal Design & Accessibility Planning** with an International Expert, Prof. Korydon Smith from Centre for Global Health Equity and Idea Centre at State University of New York (SUNY), Buffalo, USA.

He has supervised **three (03) PhDs** and over a dozen Masters dissertations on issues of accessibility in educational, urban design, mobility and diverse built environments. His work relates to the human specific goals of social sustainability and quality of life/well being in our urban environments. Inclusive design, Human centered urbanism, Social sustainability, Universal Design in low resource and diverse urban contexts, visual and ethnographic research methods form his key research interests besides photo narratives, contemporary world architecture, design thinking and pedagogy as parallel domains of his keen interests.

Dr. Raheja has been actively engaged and associated with '**Anushruti**', a social initiative of IIT Roorkee for providing formal and vocational education to children with hearing disabilities, largely from under privileged communities in the region. He has been the chairman of the Academic Review Committee at Anushruti as well.

Dr. Raheja, chooses to work on the concept of **invisible populations** of Persons with disabilities, accessibility for ADLs in low resource contexts, children and aging as an overarching theme of his broad research goals towards inclusion. He is a strong advocate of participatory and social approaches to design thinking and pursues this with passion. Age based mobility paradigms in urban contexts and studies on elderly pilgrimage and recreational mobility, children playspaces and children independent mobility remain some of his current research directions.

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**Gaurav Raheja**, Ph.D., DAAD Fellow

### Research Interests

Design for Human Inclusion, Universal Design, Accessibility Planning, Ageing and Children Centric Design, Urban Futures, Contextual Research Methods, Visual Communication, Design Theory and Pedagogy

### Education

- 2008** . Doctor of Philosophy (Ph.D.) from Indian Institute of Technology (IIT), Roorkee  
PhD Thesis :**Enabling Environments for the Mobility Impaired in Rural Areas**  
*Cited in World Disability Report, 2011, published by World Bank & WHO, Geneva*
- 2002** .Masters of Architecture (M.Arch.) from Indian Institute of Technology (IIT), Roorkee  
(CGPA - **9.07** on 10 point scale, **First Rank** in the Graduating Class)  
Masters Thesis Dissertation: **Designing for the Disabled**
- 2000** .Bachelors of Architecture (B.Arch.) from Punjab Technical University, Jalandhar  
(**Third Rank** in the graduating class)

### Achievements, Recognitions, Honours & Awards

- 2019** . **DAAD Bilateral Exchange Fellowship** 2019 through the German Academic Exchange Service Scholarship. (Institute for Sociologie, T U Berlin)
- 2019** . Curated and received funding to organise an Indo German Seminar on **Bauhaus @ 100**, at the German Embassy, New Delhi and IIT Roorkee with funding from German Center for Research and Innovation (DWIH), New Delhi (10 Lacs )
- 2019** . Citation as **Winner of a National Design Competition** for ARIIA Trophy Design for Atal Ranking of Institutions on Innovation Achievements (ARIIA) organised by Ministry of Human Resource Development, Government of India (March 2019). The trophy is awarded by the Hon'ble President of India.
- 2018** . Invited as a **Keynote Speaker** in a DFG funded conference on **Universal Design for Mobility Hubs** in Europe by the Chair of Urban Health Games, Technical University of Darmstadt, Germany.
- 2018** . Felicitated and Appointed as **DAAD Research Ambassador** for the India and South Asia Region by the DAAD(German Academic Exchange Service), Bonn (2018 – 2022).
- 2018** . Advisory Role as an Expert in the preparation Preparation of Revised Cabinet Note for the inception of **National Institute of Universal Design** by Government of India.
- 2017** . Guest Research Fellowship, **Institute for Sociologie at Technische Universitat Berlin, Germany**, (December, 2017)

- 2017.** Fellowship for the International Summer School, **B\_CON 2017 Bio-inspired Concepts for the Built Environment** at Laboratory of Knowledge Architecture, T U Dresden, Germany (August, 2017) , Funded by the Excellence Initiative of Federal Republic of Germany.
- 2017. Best Research Paper Award** (jointly as Co author with Ms. Smriti Saraswat) at the International Conference on Sustainable Built Environment at Dept. of Architecture & Planning, IIT Roorkee
- 2016 . Letter of Appreciation** by Ministry of Social Justice and Empowerment for conducting the finest Access Audits of prestigious Government Buildings including Central Secretariat (North Block, South Block), IGI International Airport and New Delhi Railway Station.
- 2016. DAAD Bilateral Exchange Fellowship** for 2016 through the German Academic Exchange Service Scholarship. (15 June – 31 July 2016 at T U Darmstadt, T U Berlin & University of Duisburg, Essen)
- 2016.** Empanelled as an **Accessibility Consultant** by Department of Disability Affairs, Ministry of Social Justice and Empowerment, **Government of India** under Accessible India Campaign.
- 2016.** Selected as an expert for Indo German Symposium on **‘Smart Cities: Challenges and Opportunities ‘** to be held at Berlin, Germany (April 2016)
- 2016.** Visiting Professor at INEAST School of Advanced Studies, University of Duisburg-Essen, Germany. (February, 2016)
- 2015.** Invited as an Accessibility Consultant for Access Audit of **Prime Minister’s Office (PMO)**, New Delhi (November, 2015)
- 2015 . Selected for the Deutscher Akademischer Austauschdienst (DAAD )Science Tour Scholar for 2016** as one among the 30 International scholars for the theme -*City of the Future for Sustainable Development* (31<sup>st</sup> January to 6<sup>th</sup> February, 2016)
- 2014 .** Scholarship by the German Excellence Initiative for **International Summer School on Smart cities**, titled **SynCity** at Technical University of Dresden, Germany. (16 - 30 September, 2014)
- 2013 . German Academic Exchange Service (DAAD) Fellowship** as a Student Mentor under DAAD IIT Master Sandwich Programme to Technical University of Dresden, Germany. (6-20 December, 2014) – 1300 Euros
- 2011 .** Developed, Published and Copyrighted **Universal Design India Principles (UDIP), 2011** Copyrighted alongwith eight authors and registered at National Institute of Design, Ahmedabad led by Prof. Abir Mullick from Georgia Tech, Atlanta, USA.
- 2011.** Birla White **Yuva Ratna Award** for being a Faculty Mentor of the Award winning design competition at National Level.
- 2010 .** Mphasis **Universal Design Award** by National Centre for Promotion and Employment of Persons with Disabilities (NCPEDP) for Research and Professional contributions to accessibility design and planning for persons with disabilities.
- 2002. Doctoral Research Fellowship** at IIT Roorkee by Ministry of Human Resource and Development (MHRD), Govt. of India.

## Professional Experience ( Research and Teaching ) since 2006 - 13 years (approx.)

- 2014 - till date** Associate Professor at IIT Roorkee  
**2009 – till date** Joint Faculty, Centre for Excellence in Transport Systems, IIT Roorkee
- 2009 – 2014** Assistant Professor at IIT Roorkee  
**2006 – 2009** Assistant Professor (on contract) at IIT Roorkee
- 2007 – 2012** Institute Architect (As an additional portfolio), IIT Roorkee

## Leadership and Administration

- 2018** – Ongoing **Co-Cordinator**, Design Innovation Center, IIT Roorkee  
**2018** – Ongoing Member, Campus Accessibility and Inclusion of Diversity (C-AID) Committee, IIT Roorkee
- 2017** **Coordinator**, Masters of Architecture Programme, IIT Roorkee  
**2012 – 2019** **Officer Incharge**, Training & Placement, Dept. of Architecture & Planning, IIT Roorkee
- 2017 – 18** **Member**, Senate Committee for Scholarships & Prizes, IIT Roorkee  
**2016 - till date** **Member**, Department Administrative Committee
- 2017** **Chairman**, Academic Review Committee, Anushruti Academy for Deaf, IIT Roorkee  
**2014 – 16** **Member**, Institute Research Committee, IIT Roorkee  
**2015-17** **Member**, Library Advisory Committee, IIT Roorkee  
**2012 – 14** **Coordinator**, Heritage Task Force Committee, IIT Roorkee  
**2012 – 16** **Manager**, Anushruti, a social initiative of IIT Roorkee  
**2009-11** **Staff Advisor**, Fine Arts Section, Hobbies Club, IIT Roorkee  
**2009-11** **Staff Advisor**, Music Section, Hobbies Club, IIT Roorkee  
**2009 – 12** **Associate Manager, Anushruti**, a social initiative of IIT Roorkee for the education of children with Hearing Impairments.  
**2007 – 12** **Member**, School Management Committee, Anushruti (formerly Roorkee School for the Deaf) a social initiative of IIT Roorkee

## Research Work Citations

- 2012** Citation from my Doctoral research on in a book titled **Universal Design : Designing Inclusive Environments** by Edward Steinfeld and Jordana Maisel, John Wiley & Sons, Inc., Hoboken, New Jersey, USA, 2012, pp 148, 196. [*Design Interventions for Accessibility in Low Resource contexts for Sanitation*]
- 2011** Citation from my Doctoral Research in **World Report on Disability, 2011** published by the World Health Organisation (WHO) and the World Bank, Geneva, pp 197.
- 2011** Co authored and copyrighted the **Universal Design India Principles (UDIP)**® along with eight other authors principally led by Prof. Abir Mullick from Georgia Tech University, Atlanta, USA

**Doctoral Research Guidance** ( Completed : **03**, Submitted : **01**, Ongoing: **06**)

**Completed PhDs**

- 2012** Urban core revitalization of Ajmer city by *Dr. Navneet Munoth* ( as Co supervisor)  
**2017** Universal Design strategies for accessibility in Institutions of Higher Learning in India by *Dr. Smita Suryawanshi*  
**2018** Visual and Thermal Comfort Evaluation of School Classrooms for Fenestration Design by *Dr. Gireendra Kumar*

**Submitted and Evaluated PhDs**

- 2019** Inclusive Mobility for Elderly in an Indian Pilgrimage City by *Mr. Swapneel Jaiswal* (*Evaluation Reports Received. Final defence awaited*)

**Select On Going PhDs** (Expected Year of Submission/Completion)

- Critical Regionalism in Contemporary Indian Architecture by *Mr. Sanyam Bahga* (2019)
- Pedagogy of Structures in Architectural Design Education by *Mr. Prabhjot Singh Sugga* (2019)
- Frameworks for Interventions in Space Making Crafts of Uttarakhand, by *Ms. Smriti Saraswat* (2019)
- Children's Independent Mobility in Urban Neighborhoods of India, by *Ms. Megha Tyagi* (2021)
- Universal Design for Ageing and Functional Independence in Urban Housing Contexts by *Ms. Iram* (2022)

**Select Post graduate Research** (under **DAAD IIT Master Sandwich Programme Fellowship**)

**In collaboration with T U Darmstadt**

- Inclusive Furniture Design for Urban Public Spaces, *Saniya Arif* (2018-19)
- Benchmarking accessibility for urban mobility systems, *Lakshya Pandit* ( 2017)
- Space syntax applications in Indian educational campus planning, *Dhiraj Kumar* (2016)

**In collaboration with T U Dresden**

- Rethinking informal spaces in educational campuses by *Neha Koul* (2014)

**Select Post Graduate Research through Masters Dissertation** (year of completion)

- Design guidelines for Urban Public Spaces for Elderly, *Mr. Rohini Kumar Reddy* (2017)
- Wayfinding systems for Persons with Visual Impairment Mass Rapid Transit systems, *Ms. Trisha Sinha* (2016)
- Universal design strategies for Person with Visual Impairments in railway station environments, *Ms. Megha Tyagi* (2016)

## Sponsored Research Projects

- 2019** PI, Indo German Symposium on **100 years of Bauhaus** funded by German Centre for Research and Innovation (DWIH), New Delhi ( **INR 10 Lacs** )
- 2018 – 21** Co-PI, Establishment of **Design Innovation Center at IIT Roorkee** funded by Ministry of Human Resource Development( Project Cost: **INR 10 crore**)
- 2018 – 19** Co-PI, Course Modules on **Architectural Education in the 21<sup>st</sup> Century as National Resource Center** on Architecture, funded by Ministry of Human Resource Development, Government of India.
- 2018 – 19** P.I., Development of One Week NPTEL Course Modules on **Universal Design and Accessibility Planning** (Ongoing) (INR 1.5 Lac)
- 2017-18** P.I., Organisation of a GIAN Course on **Universal Design and Accessibility Planning: An interdisciplinary approach to inclusive environments**, Prof. Korydon Smith, IDEa Center, State University of New York, Buffalo. (INR 5.44 Lacs)

## Select Accessibility /Architectural Design and Consulting Projects

- 2018-20** Master Consultancy for Zonal Development Plan (ZDP) for **Patna Metropolitan Area** (PMA) (as Co-PI)
- 2018** Feasibility Study of Second Staircase in Existing Blocks of **Palm Hills, Gurgaon** (Project Cost: Rs. 31.86 Lacs)
- 2018** Feasibility Study of Second Staircase in Existing Blocks of **Emerald Floor Premier, Gurgaon** ( Project Cost: Rs. 24.52 Lacs)
- 2018** Feasibility Study of Second Staircase in Existing Blocks of **Palm Terraces Select, Gurgaon** (Project Cost: Rs. 8.26 Lacs)
- 2017** Access Audit of **Vigyan Bhawan, New Delhi** for Ministry of Social Justice & Empowerment, Govt. of India.( Project Cost: INR 5.81 Lacs)
- 2016-17** Co-PI, **Comprehensive Capacity Building Program for AMRUT and Smart City Mission Cities** sponsored by Ministry of Urban Development and The World Bank (Co-PI, Project Cost: INR 36 Lacs)
- 2015 -16** Access audit of prestigious and significant National Projects like **New Delhi Railway Station**  
**New Delhi Airport Terminals (1D, 1C & T3),**  
**North Block, Central Secretariat (Ministry of Finance, Ministry of Home Affairs]**  
**South Block (Ministry of Defence, Ministry of External Affairs]Central Secretariat,**  
**New Delhi**
- 2015** Access audit of **Prime Minister's Office (PMO), New Delhi, India.**
- 2014** Access audit and Retrofitting Design for **Barrier Free Campus of Tata Institute of**

## Social Sciences (TISS), Mumbai

- 2013 – 14 Conservation and on site execution of Guest Portion of a Colonial heritage building – Director’s Lodge at IIT Roorkee campus
- 2012 -13 Access audit and Retrofitting Design for **Barrier Free Campus of JawaharLal Nehru University (JNU)**, New Delhi [ Project Cost: 800 million INR approx. ]
- 2009 –11 Access Audit, Design and On Site Execution of Retrofit Design for Barrier Free Campus of IIT Roorkee [Project Cost: 50 Lakhs INR approx. ]
- 2010 -11 Third Party Quality Audit of **Streetscaping and Beautification of Mehrauli Badarpur Road** under Zone M-1 of Delhi Public Works Department (PWD) constructed during Commonwealth Games held at New Delhi, 2010.
- 2010 -11 Third Party Quality Audit of **Retro Reflective Road Signage** of major streets of New Delhi under Public Works Department (PWD).

## Invited Expert, Affiliations

- 2019 . Jury Member, Nationwide SANSADHAN Hackathon on Design innovations for Divyangjan Toilets
- 2019 . Member, UGC Committee for developing curriculum on Design Thinking.
- 2019 . Invited Expert for National Committee for Design of Centre for Excellence in Disability Sports, Shillong, Ministry of Social Justice and Empowerment, Govt. of India.
- 2018. Expert for Selection Committee for **Prime Ministers Research Fellowship** at IIT Kharagpur
- 2018 . Invited Expert for National Committee for Design of Centre for Excellence in Disability Sports, Gwalior, Ministry of Social Justice and Empowerment, Govt. of India.
- 2017. BAU International University of Applied Sciences, Berlin
- 2016. Visiting Professor at TU Darmstadt, T U Berlin, University of Duisburg – Essen, Germany (June-July, 2016)
- 2016. Institute for Transportation Research, DLR (German Aerospace Center), Berlin, Germany
- 2015. MHRD Expert Member, Audit Review of Department of Architecture, for Vishweshraya National Institute of Technology (VNIT), Nagpur.
- 2015 . National Committee for Awards for Barrier Free Environment, Ministry of Social Justice and Empowerment, Govt. of India
- 2015 . Nominated as Nodal Officer for Accessible India Campaign from IIT Roorkee for Ministry of Social Justice and Empowerment, Govt. of India
- 2014 . Advisory Member, Universal Design Research and Training Center, Dr. B N College of Architecture, Pune, India
- 2013 . National Advisory Committee for Conceptualisation and Inception of **National Institute of Universal Design (NIUD)**, India appointed by the Ministry of Social Justice and



Empowerment, Government of India

**2013** . National Committee on Developing Accessibility Standards, Ministry of Urban Development, Government of India

**2012- till date** .Member, Board of Studies (Doctoral Programme),School of Planning and Architecture (SPA), Bhopal

**2012** . Member Expert Committee of All India Council of Technical Education for Inspection of Technical Institutions

### **Academic Courses Taught, since 2006**

Creative Thinking	Basic Design and Creative Workshop
Design Studios	Architectural Design Studio -I, II, III & IV years
Construction Studios	Building Construction Studio -I, II & III years
Theory	Introduction to Architecture, Principles of Architecture, Contemporary Architecture : Theories & Trends

### **New Courses Developed & Taught**

**CTN – 504 Barrier Free Environment for Transportation** (for students of M.Tech in Infrastructure Systems), offered by Centre for Excellence in Transportation Systems, IIT Roorkee

**ARN-632 Universal Design & Accessibility Planning** (for students of Masters in Architecture and Masters in Urban and Rural Planning), offered by Department of Architecture & Planning, IIT Roorkee

### **New Laboratories Developed**

**since 2012 Laboratory for Universal Design & Accessible Transportation** at Centre for Excellence in Transportation Systems (CTRANS), IIT Roorkee

**2017 Laboratory of Inclusive Design** at Department of Architecture & Planning, IIT Roorkee

### **Select Invited Expert Talks / Keynote Address**

**2019 Design Futures and Social Inclusion : Inspirations from Bauhaus**, Indo German Seminar on Bauhaus @ 100 at the Embassy of Federal Republic of Germany, New Delhi.

**2019 Future Frames : Designing New Dimensions of Work Space Relationships**, Indo German Symposium on Future of Work at New Delhi organised by German Centre for Research and Innovation (DWIH).

**2019** National Conference on “**Disability and Social Inclusion – The Role of Technology**” at **IIT Guwahati**, organised by National Institute of Locomotor Disabilities (NILD), Kolkata

**2018** National Conference on **Disability, Accessibility, Inclusion and Wellbeing** organised by Tata Institute of Social Sciences (TISS), Mumbai.

**2018 Universal Design for Indian Courts**, Vidhi Legal Research Centre, at Vidhi Summit at India Habitat Center, New Delhi

- 2018 Mobility Hubs and Inclusive Urban Futures : A Universal Design Approach**, as a **Keynote Speaker** in a DFG funded conference on **Universal Design for Mobility Hubs** in Europe by the Chair of Urban Health Games, T U Darmstadt
- 2018 Universal Design for Environmental Assistance at EMPOWER : Assistive Technology Conference**, organised by IIT Delhi.
- 2017 Disability Matters Asia Conference** organised by Springborad Consulting, USA and Accenture, Bangalore at Accenture Learning Centre, Bangalore, India
- 2017 Urbanization – Challenges & Opportunities for Participative Approach by Citizens” at India @75 : Making of a New India by 2022, a CII Conclave** at India Habitat Centre, New Delhi
- 2017 Changing Landscapes of Urban Spaces**, CII Annual Meeting, New Delhi
- 2016 Accessibility Perspectives in Higher Education**, at a symposium on Accessible and Inclusive Higher Education held at Indian Institute of Management, (IIM) Ahmedabad
- 2016 Inclusive Sanitation** at a seminar on ‘Making Sanitation and Toilets Inclusive for Persons with Disabilities in India at Indian Spinal Injuries Centre (ISIC), New Delhi
- 2016 Redefining Urban Innovation for Inclusive Futures**, at University of Duisburg-Essen, Germany (Delivered on 10<sup>th</sup> February, 2016)
- 2015 Technical Innovation for Skill Development and Accessibility for Persons with Disabilities**, WHO Regional Workshop for Capacity Building of NGOs, New Delhi
- 2015 Learning through Disabling Experiences: A pedagogic approach** D J Academy of Design, Coimbatore and British Council
- 2014 Universal Design & Equity** at MGR Institute for Hearing Impaired, Chennai
- 2012 Research Methodologies for Evaluating Built Environments** at B N College of Architecture, Pune
- 2011 Universal Design in the Indian context** at a National Workshop and Students Design Competition on Universal Design held at School of Planning and Architecture (SPA), Bhopal.
- 2013 Equity by Design** as a Keynote Speaker for Education for Persons with Disabilities at Indian Institute of Science (IISc), Bangalore.
- 2010 Streets to Inclusion** as a Keynote address for National Congress on Road designs and accessibility for Persons with Disabilities in Rural and Hilly Areas, held at Chandigarh.
- 2010 Designing User Friendly Environments** at National Institute of Technology, Hamirpur in a AICTE sponsored interdisciplinary summer school on Intelligent Environments.

### **Select Workshops Delivered / Organised**

- 2019 Indo German Workshop on Mobility Design** in collaboration with Offenbach University and Lead Designer Peter Eckart. (March, 2019)
- 2018 Universal Design for Inclusive Futures Workshop** at St.Teresa College, Ernakulam (December, 2018)

- 2017 Pedal and Paidal: Facilitating Inclusive Mobility in Urban Environments** at Green Build India in Mumbai, organised by US Green Building Council (USGBC).
- 2017 Accessibility Workshop** at Department of Architecture at Guru Nanak Dev University, Amritsar
- 2016 Accessibility Workshop** for Kerala Institute of Local Administration (KILA), Mulamkunnathukavu, Thrissur
- 2016** Coordinator, QIP Workshop on **Barrier Free Environment for Higher Education** at Department of Architecture & Planning, IIT Roorkee, funded by AICTE, New Delhi.
- 2015** Co coordinator, **Dharohar: A workshop on Crafts and Skill Development**, Centre for Urban Design and Development, IIT Roorkee
- 2015 Accessibility and Barrier Free Design Workshop** at Lovely Professional University, Jalandhar
- 2015 Universal Design Workshop** at Department of Architecture & Planning, Giani Zail Singh Campus, Bathinda
- 2014 Urban Dialogues : The Global City and the Local Village** at Centre for Urban Design and Development, IIT Roorkee. (co partnered with Danish Architect, HenrikValeur)

### Select Workshops Attended

- 2018** Bridging the Gap: Your role in **transporting children with disabilities to school in developing Countries** at Taipei, Taiwan (TRANSED 2018)
- 2018 Photo Essays** Summer School at National Institute of Design (NID) , Ahmedabad
- 2018** Indo UK Design Education Workshop on **Design Research and Scholarship** at National Institute of Design (NID), Bangalore
- 2018** Indo UK Design Education Workshop on **Capacity Building** at India Habitat Center, New Delhi.
- 2015 Introduction to Depthmap X** at UCL, Bartlett, London, UK
- 2014 Full Scale Modelling Workshop** at Lund University, Sweden (in a conference on Universal Design)

### Select Academic (Design) Jury/ PhD Evaluations

- 2019** B.Arch. Thesis Jury at School of Planning and Architecture (SPA), New Delhi.
- 2018** B.Arch. Final year Thesis Jury at Chandigarh College of Architecture, Chandigarh.
- 2017** Design Jury for Interior Design, **BAU International University of Applied Science, Berlin**
- 2017** Design Jury for Final Year (B.Arch.) Thesis at **School of Planning and Architecture,**

(SPA) Vijaywada.

- 2016** Design Jury for Final Year Thesis at Chandigarh College of Architecture (CCA), Chandigarh
- 2016** External Examiner for PhD at School of Planning and Architecture (SPA), Bhopal
- 2015** External Examiner for PhD Synopsis Evaluations at Punjab Technical University, Jalandhar
- 2015** Architectural Design Studio Jury, B.Arch. – I & II year, School of Planning & Architecture, **(SPA) New Delhi, India**
- 2015** Architectural Design Thesis Jury, B.Arch. – final year at Dept. of Architecture & Planning, **Indian Institute of Technology (IIT), Kharagpur, India**
- 2014** Architectural Design Studio Jury, B.Arch. – I & II year, School of Planning & Architecture, (SPA) New Delhi, India

### **Personal Details**

- Nationality** India
- Date of Birth** 23 November, 1977
- Marital Status** Married
- Language(s)** English, Hindi
- Travel** Japan, UK, Ireland, Germany, Sweden, Denmark, Austria, Czech Republic, Netherlands, Belgium, Switzerland, Italy, Spain, France, Russia, Nepal, Taiwan, Luxembourg, Poland, Hungary
- Interests** Photo Essays, Sketching, Short Stories, Prose Writing