

UTTAM KUMAR ROY

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Associate Faculty, Centre for Transportation Studies (CTRANS), IIT Roorkee

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Res: 207/4 Saraswati Kunj, IIT Roorkee, Roorkee-247667

AREAS OF INTEREST

Housing Policy: Housing Planning, Design & Technology systems:
Spatial Urban Planning and Land Management:
NMT based accessibility & Area planning

PROFESSIONAL BACKGROUND

| | | |
|----------|------------|---|
| Nov 2012 | Till date | Assistant Professor, Department of Architecture and Planning, Indian Institute of Technology Roorkee |
| Nov 2004 | Oct 2012 | Assistant Professor and Nodal Officer, HUDCO Chair, Administrative Training Institute, Government of West Bengal, Kolkata |
| Aug 2001 | Oct 2004 | Architect Planner West Bengal Housing Infrastructure Development Corporation Ltd (WBHIDCO), Government of West Bengal, |
| Jun 2000 | Aug 2001 | Architect Planner Ghosh Bose & Associates Pvt Ltd., Kolkata |
| Feb 2000 | April 2000 | Project Associate School of Planning and Architecture, New Delhi |
| 1997 | 1998 | Assistant Architect Prabir Mitra, Architects, Engineers and Planners, Kolkata |

AWARDS AND DISTINCTIONS

1. Selected as **Recognised Trainer (RT)** on Design of Training (DOT) by the department of Personnel and Training, Government of India, 2010
2. **Best Subject Paper award** in Architectural Engineering in National Engineering Congress, Kochi given by the Institution of Engineers India in 2009
3. Winner in the **Design Problem in NOSPLAN**, Organised by the School of Planning and Architecture, New Delhi in 1999
4. Second Prize winner in the Poster Competition by the Indian Institute of Public Administration (IIPA) under the programme, International Decade of Natural Disaster Reduction (IDNDR) in 1999
5. **IBC award for Best paper** in 20th Annual Convocation and National Seminar in Delhi 2016

EDUCATIONAL BACKGROUND

| <i>Degree</i> | <i>Subject</i> | <i>University</i> | <i>Year</i> |
|---------------|--------------------|--|-------------|
| PhD | Engg. | Jadavpur University, Kolkata | 2015 |
| M. Planning | Planning (Housing) | School of Planning and Architecture, New Delhi | 2000 |
| B. Arch | Architecture | Jadavpur University, Kolkata | 1997 |

PROFESSIONAL/REFRESHEER COURSES ATTENDED

| | | |
|----|--|--|
| 1 | Three day Training Course for the Trainers & Evaluators on GRIHA Rating System | School of Ecology, Infrastructure and Human Settlement Management on 24-26th July, 2012 |
| 2 | Five day course in Natural Disaster Management | National Institute of Disaster Management (NIDM) 2011 |
| 3 | Three weeks Recognised Users (RU) development course on Design of Training (DOT) | Department of personnel and Training, Government of India, 2010 |
| 4 | Basic Leadership Skills | XLRI, Jamshedpur, 2008 |
| 5 | Two weeks course on Leadership and Management | UN Habitat and HUDCO, 2007 |
| 6 | Five day course on Direct Trainers Skills-II | Department of Personnel and Training, Government of India, 2007 |
| 7 | Two weeks course on Direct Trainers Skills (DTS) and Design of Training (DOT) | Department of Personnel and Training, Govt of India in association with Thames Valley University, London, 2006 |
| 8 | Three day course on Self Development for Global Managers | Indian Institute of Management (IIM), Calcutta, 2006 |
| 9 | Five day course on Values in Administration | Administrative Training Institute, Kolkata, 2006 |
| 10 | Five day course on Transactional Analysis | Administrative Training Institute, Kolkata, 2006 |
| 11 | Two day course on Leadership and Management | National Institute of Urban Affairs (NIUA), 2005 |
| 12 | Three day course on Training of Trainers (TOT) in Urban Transport | Institute of Urban Transport India (IUTI), 2005 |
| 13 | Two day course on Certificate Course in Disaster Management | Disaster Management Institute(DMI), Bhopal, 1999 |

ADMINISTRATIVE EXPERIENCES

| | | | |
|------|-----------|--|---|
| 2016 | Till date | Department of Architecture and Planning, IIT Roorkee Institute of Town Planners India (ITPI) Uttarakhand Regional Chapter | Member, Deptt Research Committee (DRC) Joint Secretary |
| 2014 | Till date | Department of Architecture and Planning, IIT Roorkee | O.C, Examination Convenor, Faculty Search Committee Member, Departmental Purchase Committee (DPC) O.C/In-charge of Architectural and Urban Dynamics lab |
| 2014 | 2016 | Department of Architecture and Planning, IIT Roorkee | Member, Department Administrative Committee (DAC) Member, Department Academic Programme Committee (DAPC) |
| 2013 | Till date | Centre for Excellence in Transportation Systems, IIT Roorkee | O.C M Tech (1 st yr) (CTRANS) Member Faculty Committee (MFC), Member Centre Academic Committee and OC, Building Centre Representative, ERP programme, IIT Roorkee |
| 2013 | 2014 | Department of Architecture and Planning, IIT Roorkee | Coordinator, MURP programme |
| 2010 | 2012 | Institute of Town Planners India (ITPI) | Member, Educational Standing Committee, ITPI Secretary, West Bengal Regional Chapter, ITPI Convenor, Workshop and Examination |
| 2004 | 2012 | Administrative Training Institute, Kolkata | 1. Assistant Professor and Nodal Officer, HUDCO Chair 2. Warden, Trainee Hostel 3. Coordinator and Examination In-Charge, AITP programme at Kolkata |
| 2001 | 2004 | West Bengal Housing Infrastructure Development Corporation Ltd (WBHIDCO), Government of West Bengal, | Architect Planner |

PROFESSIONAL MEMBERSHIP

1. Council of Architecture, New Delhi, Registered Architect
2. Indian Institute of Architects (IIA), Associate Members
3. Institute of Town Planners India (ITPI), Associate Member
4. Indian Institute of Environment, Life member
5. Arc Peace (International Architect, Designer, Planner for Social Responsibility)- Associate Member

COURSES TAUGHT

| <i>Year</i> | <i>Subject</i> | <i>Class</i> | <i>Semester</i> |
|--|----------------|--|-----------------|
| 2016-17 | | | |
| 1. Housing | AR-659 | MURP 1 st year | Autumn |
| 2. Housing | AR-505 | B Arch-5 th year | Autumn |
| 3. Planning Studio-I | AR-651 | MURP 1 st year | Autumn |
| 4. Infrastructure Planning and Management (part) | CT-501 | M Tech (Infrastructure Systems) 1 st year | Autumn |
| 5. Land and Real Estate Management | AR-666 | MURP and M Arch 1 st year | Spring |
| 6. Planning Studio-II | AR 652 | B Arch 4 th year | Spring |
| 7. Management of Transportation Systems (part) | CT-611 | M Tech (Infrastructure Systems) 1 st year | Spring |
| 2015-16 | | | |
| 8. Housing | AR-659 | MURP 1 st year | Autumn |
| 9. Housing | AR-505 | B Arch-5 th year | Autumn |
| 10. Planning Studio-III | AR-753 | MURP 2nd year | Autumn |
| 11. Infrastructure Planning and Management(part) | CT-501 | M Tech (Infrastructure Systems) 1 st year | Autumn |
| 12. Land and Real Estate Management | AR-666 | MURP and M Arch 1 st year | Spring |
| 13. Infrastructure Planning | AR-654 | MURP 1 st year | Spring |
| 14. Planning Studio-II | AR-652 | MURP 1 st year | Autumn |
| 15. Management of Transportation Systems(part) | CT-611 | M Tech (Infrastructure Systems) 1 st year | Spring |
| 2014-15 | | | |
| 1. Housing | AR-659 | MURP 1 st year | Autumn |
| 2. Housing | AR-505 | B Arch-5 th year | Autumn |
| 3. Planning Studio-I | AR-651 | MURP 1 st year | Autumn |
| 4. Infrastructure Planning and Management(part) | CT-501 | M Tech (Infrastructure Systems) 1 st year | Autumn |
| 5. Land and Real Estate Management | AR-666 | MURP and M Arch 1 st year | Spring |
| 6. Architectural Design | AR 402 | B Arch 4 th year | Spring |
| 7. Building Code & Regulations | AR-208 | B Arch 2 nd year | Spring |
| 8. Management of Transportation Systems(part) | CT-611 | M Tech (Infrastructure Systems) 1 st year | Spring |

2013-14

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|--|--------|--|--------|
| 1. Prefabrication and Modular Coordination | AR-313 | B. Arch 3 rd year | Autumn |
| 2. Architectural Design | AR-301 | B. Arch 3 rd year | Autumn |
| 3. Architectural Design | AR-401 | B. Arch 4 th year | Autumn |
| 4. Planning Design Studio-I | AR-651 | MURP 1 st year | Autumn |
| 5. Computer Application for Architecture and Planning* | AR-607 | MURP and M Arch 1 st year | Autumn |
| 6. Infrastructure Planning and Management | CT-501 | M Tech (Infrastructure Systems) 1 st year | Autumn |
| 7. Architectural Design | AR-402 | B. Arch 4 th year | Spring |
| 8. Low Cost Building Design and Techniques | AR-610 | MURP and M Arch 1 st year | Spring |
| 9. Management of Transport Systems | CT-611 | M Tech (Infrastructure Systems) 1 st year | Spring |

2012-13

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|----------------------------|--------|------------------------------|--------|
| 1. Architectural Design | AR-402 | B. Arch 4 th year | Spring |
| 2. Landscape Architecture | AR-406 | B. Arch 4 th year | Spring |
| 3. History of Architecture | AR-201 | B Arch 2 nd year | Spring |

THESIS/DISSERTATION GUIDED

PHD Guidance: (Awarded-0, Ongoing-4)

2016-17

| | | Level | A/O |
|---|---------------|-------|-----|
| 1. Planning for Transitional Housing and Infrastructure | Piyush Soni | PHD | O |
| 2. Sustainable Norms for Mixed Land Use in India | Rewati Raman | PHD | O |
| 3. Infill AAC Blocks and LIG Affordable Housing | Atul Biltoria | PHD | O |
| 4. Last mile connectivity | Anil Kumar | PHD | O |

PHD Student Research Committee (SRC) Member

1. Kranti Kumar Mourya
2. Raghabendra K.

M.Tech/MURP/AITP: (Completed-25, Ongoing-4, Total-29)

*Selected under DAAD Fellowship

2016-17

| | | Level | A/O |
|--|--------------|-------|-----|
| 1. Planning for Garh Mukteshwar as a Religious City | Rohit Dabas* | MURP | O |
| 2. Planning for international Sport City, Delhi | Vikash Saini | MURP | O |
| 3. Evaluation of SRA schemes in the city of Pune | Gargi Bachal | MURP | O |
| 4. Spatial Planning for Pedestrians Level of Service in Railway Stations | Rishav Paul | MTech | O |

2015-16

| | | | |
|--|------------------|--------|---|
| 1. Policy options for market driven affordable housing | Ratna Ghosh | MURP | A |
| 2. Simplified model for Land Readjustment: A case for Aligarh city, UP | Mahammad Ahmad* | MURP | A |
| 3. Planning for smart mobility for Gwalior | Piyush Soni | MURP | A |
| 4. Planning for Non-Municipal Towns for Hariyana | Kuldeep | MURP | A |
| 5. Planning for Logistic Hub at Dighi, Maharashtra | Sanket Mane | MURP | A |
| 6. Planning for smart mobility: Bhopal | Udit Sharma | M Tech | A |
| 7. Mode Choice modelling for the city of Amritsar | Rajia Garg | M Tech | A |
| 8. Planning for Public Bicycle Sharing system | Shashank Shekhar | M Tech | A |
| 9. Mode Choice for public transportation system for city of Bhopal | Ritwik Bharadwaj | M Tech | A |

2014-15

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|---|----------------------|---------|---|
| 10. Planning for Non-Motorised Transportation for Residential Neighbourhoods, Case Study Delhi | Aditi Sharma* | MURP | A |
| 11. Impact of MRTS on Urban land, Case Study of Delhi | Radha Krishan | MURP | A |
| 12. Planning Implications of the East-West Seaport Industrial Corridor on Chennai Region | Arjun Satheesh | MURP | A |
| 13. Development Strategies for Slum Improvement for Agra City | Baibhav Kulshrestha | MURP | A |
| 14. Municipal Solid Waste Management System for Gorakhpur City, UP | Anand Sharma | MURP | A |
| 15. Transportation and Traffic Management Strategies for Seasonal Religious Processions: A Case of Kanwar Yatra | Hasmeet Kaur | M Tech | A |
| 16. Infrastructure Development Strategies for Adventure Tourism in Uttarakhand- Case of Pithoragarh | Michael Maria Joseph | M Tech | A |
| 17. Planning For Drainage System Development Of Englishbazar Municipality, Malda, West Bengal | Sahin Saliur Jaman | Masters | A |

2013-14

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|--|---------------------|------|---|
| 18. Strategic Intervention for the Master Plan of Roorkee Town 2035 | Atul Kumar Biltoria | MURP | A |
| 19. Prospects for Industrial Development Along the Eastern Dedicated Freight Corridor-District Chandauli, Uttarpradesh | Shovit Verma | MURP | A |
| 20. Evaluation of Planning and Development in Kakopathar Block, Tinsukia, Assam | Dipankar Saikia | MURP | A |

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|---|---------------|------|---|
| 21. Infrastructure Development Strategies for Raipur City: 2035 | Noman Mansuri | MURP | A |
|---|---------------|------|---|

2011-12 & 2012-13

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|--|------------------------|---------|---|
| 22. Management of Water Supply and Sanitation for Dumdum Municipality | Ramyani Mukherjee | Masters | A |
| 23. Nature of New Developments in Uttarpara-Kotrung Municipality | Ruma Das | Masters | A |
| 24. Planning for Social Security Schemes for excluded groups of informal sector in urban areas | Chandrani Bhattacharya | Masters | A |
| 25. Mainstreaming Gender in Planning and Development: Case Study of DDPs of KMA | Sumanta Chakraborty | Masters | A |

PROFESSIONAL PROJECTS

1. New Town (Rajarhat) Kolkata

New Town Kolkata is about 3000 hectare township in the vicinity of Kolkata. Presently the new township is the next generation destination for future Kolkata. As the in-house Architect and Planner the following were delivered (2001-2004).

- Master Land Use planning, Plot layout planning of Action area I and II.
- Physical and social Infrastructure, Traffic & Transportation Planning and design including planning for mass rapid transport (East-West metro).
- Project Costing and Viability analysis
- Planning for participation based land Acquisition,
- Planning and Design of Rehabilitation & Resettlement areas
- NMT based Landscape Plan for residential neighbourhoods
- Land Use Map Register (LUMR) & Development Control Rules and Building Regulations (DCR)
- Urban Design of major intersections, business districts and commercial areas
- Design of WBHIDCO Office building and local shopping centre

2. As Architect Planner of GBPL, Kolkata the following were designed and dealt(2000-2001):

- I T Campus for WIPRO Technologies at Kolkata,
- Office Building for State Planning Board, Agartala, Tripura
- Library for Tripura University at Agartala, Tripura
- Convention Complex at Agartala, Tripura

3. As Assistant Architect, under Ar. Prabir Mitra, Kolkata Dealt the Following (1997-1998):

- Videsh Sanchar Bhavan for VSNL, Kolkata,
- Ffort, The Resort Complex at Raichak, West Bengal,
- Sangrilla Resort, Digha, West Bengal
- Mallica Condominium Complex, Raichak

4. Other Projects

- Design of 100 room Trainee Hostel Extension at Salt lake City for ATI, Kolkata
- Design of Centre of Excellence in Good Governance at Salt lake City in ATI, Kolkata
- Design for Campus Image, Public Art and Way Finding for ATI campus, Kolkata
- Strategy for Setting up OPD cum Diagnostics Centre on Railway Land through PPP Mode (Study areas: Barrackpore, Khardah, Naihati, Bangaon & Hasnabad)
- Design of Residence of Mr. Subhash Ch. Karmakar at Shayamnagar, WB
- Design of Residence of Mr. Chandrama Shaw at Kalyani, WB

SPONSORED RESEARCH/ACTION RESEARCH/CONSULTANCY PROJECTS

- 1. Funding Agency:** MHRD, MOHUPA & BGSCTPL (Uchchatar Avishkar Yojona)
Title of the Project: Development of Modular, Infill and Interlocking AAC Blocks with its Design interface for Market Driven Affordable Mass Housing for Low Income Group (LIG) in India
Duration: 2016-19
Amount: INR 26 L
Role: PI
- 2. Funding Agency:** NPTEL, MHRD, Government of India
Title of the Project: Housing Policy and Planning
Duration: 2016-17
Amount: 4 L
Role: Coordinator
- 3. Funding Agency:** Government of J & K
Title of the Project: Vision Plan for Dal Lake, Srinagar
Duration: 2016
Amount: N.A
Role: Co-PI
- 4. Funding Agency:** SRIC, IIT Roorkee
Title of the Project: Process Standardisation for Inclusive Urban Planning
Duration: 2013-till date
Amount: INR 8.25 L
Role: PI
- 5. Funding Agency:** Department of Biotechnology (DBT), Ministry of Science And Technology, Government of India & Bill & Melinda Gates Foundation (BMGF)
Title of the Project: An Enterprise-Driven High Quality Community Toilet System Sustaining on Commercial Values Generated by Black Soldier Fly Larvae Grown on Human Feces and by Fertilizer Derived from Urine

Duration: 2014-2016

Amount: INR 50 L

Role: Co- PI

6. **Funding Agency:** Biram Cooperative Housing Society Ltd.
Title of the Project: Design of G+4 Residential Complex at New Town Kolkata
Duration: 2011-12
Amount: INR 1.6 lakh
Role: Principal Architect
7. **Funding Agency:** Ministry of Urban Development, Government of India
Title of the Project: Model Land Use and Development Control Plan (**LUDCP**), Development Control Regulation (**DCR**) for Peri Urban Areas
Duration: 2010-12
Amount: INR 25.5 lakh
Role: PI
8. **Funding Agency:** Department of Panchayat and Rural Development, Govt. of West Bengal
Title of the Project: Pilot study of Non Municipal Urban Areas:
Duration: 2009-2012
Amount: INR. 8.2 lakh
Role: Expert (Urban Planning and Slum Improvement)
9. **Funding Agency:** **DFID** through CMU (KUSP), Govt. of West Bengal
Title of the Project: Internal appraisal and Hand holding for Compilation of Draft Development Plans of non-KMA Municipality
Duration: 2007-2009
Amount: INR. 15 lakh (Appx)
Role: MDC-I (Multi Disciplinary Consultant-Urban Planner)
10. **Funding Agency:** DFID through CMU, Govt. of West Bengal
Title of the Project: Internal appraisal and Hand holding for Compilation of Draft Development Plans of KMA Municipality:
Duration: 2006-2008
Amount: INR. 6.25 lakh
Role: MDC-I (Multi Disciplinary Consultant-Urban Planner)
11. **Funding Agency:** **Bengal Port Ltd**
Title of the Project: Land acquisition proposals and strategy for Kulpi SEZ, WB
Duration: 2007-2008
Amount: INR. 65 Lakh
Role: Co-PI
12. **Funding Agency:** Kolkata Municipal Corporation (under DFID fund)

Title of the Project: Capacity Building programme of Assistant Managers of Kolkata Municipal Corporation
Duration: 2006-2009
Amount: INR. 30.0 lakh (appx)
Role: Co-PI

- 13. Funding Agency:** DFID through CMU(KUSP), Govt. of West Bengal
Title of the Project: Training Need Analysis of Assistant Engineers and Executive Officers of KMA municipalities
Duration: 2004-05
Amount: INR. 1.0 lakh
Role: Co-PI

PUBLICATIONS

Refereed Journal

1. (2016) **Roy Uttam K** , Roy Madhumita: Space standardisation of low-income housing units in India: International Journal of Housing Market and Analysis (**Emerald**): Vol-9, issue-1, pp-88-107
2. (2015) **Roy Uttam K** , Najamuddin: A Smart City Development Plan: Integrating people and Technology: Journal of Institute of Town Planners India (**ITPI**)
3. (2015) **Roy Uttam K**: ‘Policy Implications for Small Towns with Incompatible Local Governance in India’: **SPANDREL**, Journal of SPA, Bhopal, Issue-9, pp-58-67
4. (2015) **Roy Uttam K**, Roy Madhumita, Dasgupta Arpan: ‘Bridging the Missing Links of Smart City Concept in India’, Journal of Indian Buildings Congress, Oct, 2015 (Received best paper award)
5. (2013) **Roy Uttam K**, Roy, Madhumita & Saha, Subir: Adopting Industrialised Building System (IBS) in the Indian Housing Systems and Sub Systems” Journal of Indian Buildings Congress April 2013
6. (2010) **Roy Uttam K**, Roy, Madhumita & Saha, Subir, “Development Options and Appropriate Module for Industrialised Mass-Housing in India.” **ABACUS**, **Birla Institute of Technology, Mesra**. Spring-Autumn
7. (2010) **Roy Uttam K**, Ghosh, A., Chakravarti, R & Som, N. N., “Attitudinal Orientation of First Level Managers for Improvement of Municipal Service Delivery: Experience of Training Intervention in Kolkata” **Commonwealth Journal of Local Governance (CJLG)** Issue-6, July, pp. 107-119.
8. (2009) **Roy Uttam K**, Roy, Madhumita, “Space Standardisation for Dimensional Coordination of a MIG Housing Unit Based on Market Trend in India” **Journal of Institution of Engineers (JIE)**, **Architectural Engineering Division**, Vol-9, April, pp 1-7.

9. (2008) **Roy Uttam K**, Roy, Madhumita & Saha, Subir, “Energy Optimization through Open-Industrialised Building System in Mass Housing Projects” **Journal of Indian Buildings Congress April** January 2008.
10. (2007) **Roy Uttam K**, “Capacity Building for Urban Governance through Training: Experiences of ATI, West Bengal” **Journal of Management in Government**, July-September
11. (2006) **Roy Uttam K**, “Development Strategy and Urban Design Guidelines for Major Intersections, New Town, Kolkata” **Journal of Institute of Town Planners India (JITPI)**, January-March
12. (2004) **Roy Uttam K**, “Development Control Regulations: Example from Major Indian Cities” **Journal of Indian Institute of Architects (JIIA)**, Vol-9, April

Short Articles

1. (2016) “Housing for All’: Planning and Design Interface”, Nirman Sarika: News letter of BMTPC, Government of India (World Habitat Day special issue), Vol 5, Issue-3, July-September (pp-67-72)
2. (2010) “**Towards a Quicker Delivery of Home**”. Buyers Guide, **Times of India Group**, June
3. (2008) “Leadership Role of Future Architects and Urban Planners and preparedness in Course Curriculum”. Journal of **SSAJU, Jadavpur University**, Kolkata

Presented/Published in International and National Conferences/Seminars/Proceedings

1. **Roy Uttam Kumar**, Roy Madhumita & Dasgupta Arpan (2015): Bridging the Missing Links of Smart City Concept ; Indian Buildings Congress, 1-2 September, New Delhi, India
2. **Roy Uttam Kumar** (2015): Prioritisation in a Participatory Planning Process: Case Study of KUSP, Kolkata, w.r.t Disaster Management, : 6th Annual Conference of International Society of Integrated Disaster Risk Managemen, 28-30 October 2015, New Delhi.
3. **Roy Uttam K**: ‘Revisiting concept of Smartness for Indian Cities and beyond’, International Conference of Asian Planning School Association (APSA), Malaysia, 10-12 Aug, 2015
4. M. Mukherjee , **Uttam. K. Roy** , A. Biswas , K. Arora , B. De and A. Srivastava: ‘Changing paradigms of Affordable Housing in Independent India’, 63rd Residential Building Design & Construction Conference - March 2-3, 2016 at Penn State, University Park
5. Dutta Souravee, **Roy Uttam K**, Roy Madhumita : ‘PV integration as a tool for transforming existing Indian cities as smart cities, European Photovoltaic and Solar Energy Conference (EUPVSEC), Hamburg, Germany (poster accepted)
6. **Roy Uttam K** & Biltoria Atul (2014): ‘Essential Dimensions of Inclusive Urban Planning’, National Town and Country Planning Congress, Pune, 2014, P-281-287
7. **Roy Uttam Kumar** (2010): Livelihood Potential of Industrialised Housing towards Shelter for all in India: 58th National Town & Country Planners Congress in January, Nagpur.

8. **Roy Uttam Kumar** (2009): Energy Optimization through Open-Industrialised Building System in Mass Housing Projects : along with Prof. Subir Saha, Dr. Madhumita Roy; Indian Buildings Congress, January, Nagpur, India
9. **Roy Uttam Kumar & Madhubanti Ganguli** (2009): Integration of Top down & Bottom up approach in Urban and Regional Planning: West Bengal Experience of Draft Development Plans (DDP) and beyond: Along with; National Town and Country Planners Congress, 23-25 January, Goa, India
10. **Roy Uttam Kumar** (2009): Changing Scenario and Emerging Planning Norms of Educational Infrastructures in Planned Townships: Case study of New Town, Kolkata: Regional Conference of Institute of Town Planners India (ITPI) held at Ranchi, 2007.
11. **Roy Uttam Kumar** (2008): Seismic Safety & Statutory Control in India: Issues and Suggested Framework for Building Rules and Regulations w.r.t West Bengal : All India Seminar on 'Natural Disaster and Earthquake-Role of Civil Engineering' by Institution of Engineers, India at Kolkata in June 2008
12. **Roy Uttam Kumar** (2008): Addressing Water Supply and Sanitation Issues by Participatory Planning: Case Study of Draft Development Plans (2007-12) of Urban Local Bodies in Kolkata Metropolitan Area : World Water day 2008, 22 March, 2008 organised by Indian Institute of Environment in Kolkata
13. **Roy Uttam Kumar & Roy, Madhumita & Saha, Subir** (2007): Mass-Industrialized Housing to Combat Consistent Housing Shortage in Developing Countries: Towards an Appropriate System for India; XXXVI IAHS, World Congress on Housing, Kolkata. November 03-07
14. **Roy Uttam Kumar** (2005): Development of New Townships: A Catalyst in the Growth of Rural Fringes of Kolkata Metropolitan Area (KMA): Annual Conference of HUDCO Chair Institutes on the theme 'Cities: Engines of Rural Development' on 8th and 9th September, 2005 in New Delhi.
15. **Roy Uttam Kumar** (2005): Approach and Methodology of City Development Plan: Regional Workshop by Institute of Town Planners India and Administrative Training Institute, Kolkata, 2005 on Preparedness for Implementation of JnNURM at West Bengal, Organised

Selected Abstracts in International and National Seminar and Symposium

1. **Roy Uttam Kumar** 'Market Driven Low Income Housing: A Case of Post-Liberalisation Urban Policies in India', World Planning School Congress, July 3-8, 2016
2. **Roy Uttam Kumar** and Mukherjee Mahua 'Process and role mapping for technology mission towards 'housing for all' in India', 41st IAHS Congress, 13-16 September 2016, Algarve, Portugal
3. Aditi Sharma and **Roy Uttam**: 'Assessing Non-motorised movements in Residential Neighbourhoods: Case of Delhi', CTRG2015 Conference
4. Kaur Hasmeet and **Roy Uttam Kumar**: 'Diagnosing Traffic problems in a mega religious procession: Case of Kanwar Yatra, India', CTRG2015 Conference
5. Kaur Hasmeet and **Roy Uttam Kumar**: 'Critical Appraisal of Current Traffic Management Options for a Mega Religious Procession: Scenario of NH-58 during

Kanwar Yatra', Recent Advances in Traffic Engineering (RATE-2015), SVNIT, Surat during 3-4 July 2015

Books/Monograph/Chapters of Book

1. Suman Ranjan Sensarma, **Uttam Kumar Roy**, Arindam Dasgupta (2015): Book chapter titled '**Sub-Cities and Metropolis: Spatial impact on Land and Housing**' in the Book titled Indian Urbanisation and Sustainable Development : Spatial Perspectives: PP-218-237
2. Uttam Kumar Roy (2014): A **Monograph** on '**Affordable Housing**' is prepared under the CD cell activities of QIP centre, IIT Roorkee. The monograph is targeted as a instructional media for academicians, trainers and researchers.
3. **Uttam Kumar Roy** (2009): How to Handle Urban Issues in Municipal Wards and prepare Urban Plans: **Administrative Training Institute Kolkata** Monograph no 19/2009: How to become and Effective Administrators, 2009
4. **Uttam Kumar Roy** (2009): Case Study: Nayantara; Case Study projects under Department of personnel and Training, Govt of India, 2007, Monograph at Administrative Training Institute, Kolkata

INVITED KEYNOTE/PANEL LECTURES AND EXTENTION

1. Delivered special Lectures on 'Writing Term Papers' in School of Planning and Architecture, Vijayawada on 6th October 2016
2. Delivered keynote address on 'Energy Efficiency in Housing Design and Planning' in three-day workshop in Workshop on Efficient Energy Generation and Utilization in Uttarakhand at COER Roorkee On March 10-12, 2016.
3. Delivered invited lecture on "Studying Architecture: Pursuing a Dream" at Amity University, Kolkata on 17th Nov, 2015
4. Delivered Keynote address in the Seminar on "Energy Policy-Issues & challenges" in K.N.G.D Modi Engineering College, Modinagar-201204 March 06, 2014
5. Delivered address as Key Speaker's in National Town and Country Planners Congress (NTCP) held in Nagpur in 2010
6. Delivered address as Key Speaker's in National Town and Country Planners Congress (NTCP) held in Mysore in 2012
7. Lectures in Self Help groups and Local governance in Guwahati invited by Regional Centre for Urban and Environmental Studies(MOUD), Lucknow on 7.9.2010
8. Lectures in Affordable Housing in Roorkee invited by Local Centre of Institution of Engineers India on October 2014
9. Lectures in 74th Constitutional Reforms vis-a'-vis Urban Local Governance in Tripura invited by the Institutional Development Consultancy (IDC)-Agartala Project under the NERCCDIP ADB funding on 3rd February, 2011

10. Lectures in Training Workshop for Ward Secretaries of Agartala Municipal Council (AMC) on Date: 19-09-2011 invited by the Institutional Development Consultancy (IDC)-Agartala Project under the NERCCDIP ADB funding
11. Presentation in the Workshop 'Rebuilding Kolkata: an Urban Vision' held on 17th March 2012 organised by West Bengal Regional Chapter, ITPI

CONFERENCES AND SHORT COURSES ORGANISED/CONDUCTED

Training of Trainers (TOT)

Sponsored By

- | | |
|---|------------------|
| 1. Course on Affordable Housing and Inclusive Planning (Fourdays), one course in 2014 | QIP, IIT Roorkee |
| 2. Design of Training (DOT) (five days) one course in Uttarakhand Academy of Administration in 2012 | DOPT, GoI |
| 3. Trainer Development for ULBs- Part-I & II (GOI) (Ten days), Two courses in 2010-11, 2011-12 | DOPT, GoI |

Conference/ Seminar and Workshop

Sponsored By

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| 1. National Workshop on the Review and Restructuring of B. Arch Curriculum (one day) in 2013 | IIT Roorkee |
| 2. National Symposium on West Bengal Urban Strategy as Secretary ITPI, West Bengal Regional Chapter (WBRC) in 2011 | ITPI, WBRC |
| 3. Workshop 'Rebuilding Kolkata: an Urban Vision' held on 17th March 2012 organised by West Bengal Regional Chapter, ITPI | ITPI, WBRC |

Short Training Courses

Sponsored By

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| 1. Affordable Housing through Joint Venture (GOI) (Three days), One course in 2012-13 | HUDCO |
| 2. In-Service Training for HUDCO Executives on "Affordable Housing and Land Management Aspects" (Five days), One course in 2012-13 | HUDCO |
| 3. Leadership Management for Urban Governance (GOI) (Three days), One course in 2012-13 | DOPT, GoI |
| 4. Planning for Urbanised Panchayats (GOI) (Five days), One course in 2011-12 | DOPT, GoI |
| 5. Situational Leadership for Urban Governance (Three days), One course in 2011-12 | HUDCO |
| 6. Slum Free City Planning (GOI) (Three days), Four courses in 2011-12 | DOPT, GoI |
| 7. Training for Elected Members of Bhatpara Municipality (at Bhatpara) (Three days), One course in 2010-11 | HUDCO |
| 8. Training for Elected Members, Departmental Heads and Officers of Bhatpara Municipality (at Bhatpara) (Three days), One course in 2010-11 | HUDCO |
| 9. Managing Change for ULBs (GOI) (Three days), Two courses in 2009-10 | DOPT, GoI |

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| 10. Leading Municipality (GOI) (Three days), One course in 2009-10 | DOPT, GoI |
| 11. Management of City Image (GOI) (Three days), One course in 2009-10 | DOPT, GoI |
| 12. Joint venture in Social Housing and Infrastructure Development (GOI) (Five days), Four course in 2009-12 | DOPT, GoI |
| 13. Training programme for non-Executives of HUDCO (Three days), One course in 2009-10 | HUDCO |
| 14. Training Programme for the Executives of HUDCO(Five days), One course in 2009-10 | HUDCO |
| 15. Effective Municipal Councillors (GOI) (Three days), Six courses in 2009-12 | DOPT, GoI |
| 16. Induction Training Course for Assistant Engineers of Kolkata Municipal Corporation(Eleven days), One course in 2007-08 | DFID |
| 17. Urban disaster and risk management for Panihati Municipality (Two days), One course in 2007-08 | Panihati Municipality |
| 18. Training for Engineering Staff of Rajarhat - Gopalpur Municipality (One day), One course in 2007-08 | Rajarhat - Gopalpur Municipality |
| 19. Managing Change for ULBs (GOI) (RTC Jalpaiguri) (Three days), One course in 2007-08 | DOPT, GoI |
| 20. Urban Disaster Risk Mitigation for Panihati Municipality(Two days), One course in 2007-08 | Panihati Municipality |
| 21. Orientation Course for Elected Members of Baruipur Municipality (Five days), One course in 2007-08 | Baruipur Municipality |
| 22. Training for Community Workers and Ward Committee Members of Baruipur Municipality(Three days), One course in 2007-08 | Baruipur Municipality |
| 23. Training Programme at RTC Burdwan(Three days), One course in 2007-08 | DOPT, GoI |
| 24. In-Service Training for Executive Officers of KMA Municipalities (Four days), One course in 2006-07 | DFID |
| 25. In-Service Training for Engineers of KMA Municipalities(Five days), One course in 2006-07 | DFID |
| 26. In-Service Training for Asstt. / Dy. Managers of KMC(Six days), Seventeen courses in 2006-10 | DFID |
| 27. Orientation Programme on JNNURM in Baidyabati Municipality(one day), One course in 2006-07 | Baidyabati Municipality |
| 28. Induction Training for Asstt. Managers of KMC (Six days), Five course in 2006-08 | DFID |
| 29. Tackling Urban Slums (Three days), Three courses in 2006-09 | DOPT, GoI |
| 30. Orientation Programme in Computer Applications for Municipalities(Five days), Three courses in 2005-6 | HUDCO |
| 31. Orientation Programme for newly appointed Executive Officers in KMA Municipalities | DFID |
| 32. City/Urban Management (GOI) (Five days), One course in 2005-06 | HUDCO |
| 33. Orientation Programme for Chairpersons/ EOs (Three days), One course in 2005-06 | DFID |

34. Orientation Programme for Municipal Engineers(Five days), One DFID course in 2005-06
35. Capacity Building of Elected Representatives (Three days), Three HUDCO courses in 2005-06
36. Infrastructure Planning and Design: Water Supply and Urban Transport(Five days), One course in 2005-06
37. Capacity Building of Elected Representatives (four days), three HUDCO courses in 2004-06
38. Orientation Programme of Ward Committees (Two days), One course NIUA in 2004-05
39. Orientation Programme for members of Ward Committees (Two days), One course in 2004-05 NIUA
40. Water Supply and Urban Transport (Five days), One course in 2004- HUDCO 05
41. Orientation Course for Engineers of KMA Municipalities (Three days), One course in 2004-05 DFID
42. Orientation Programme for Assessment-in-Charge of Municipalities (Five days), Two courses in 2004-06 NIUA

TECHNICAL REPORTS

| Sl no. | Title/project | Organisation, Year |
|--------|--|------------------------|
| 1 | Project Report for Action Area-I, New Town Kolkata | WBHIDCO, 2005 |
| 2 | Report on Development Control Rules and Regulation for New Town Kolkata | WBHIDCO, 2005 |
| 3 | Project Report for Action Area II, New Town Kolkata | WBHIDCO, 2006 |
| 4 | Status Report on Land Acquisition for Kulpi Port | Bengal Port, 2009 |
| 5 | Progress Report for Pilot Study for Non- Municipal Urban Areas of West Bengal | ATI, Kolkata, 2010-11 |
| 6 | Progress Report on Study on Model LUDCP and DCR for Peri-Urban Areas | ATI, Kolkata, 2010-11 |
| 7 | Way-finding Strategy and Design for ATI campus, Kolkata | ATI, Kolkata, 2010-11 |
| 8 | Consolidated report of Internal Appraisal and handholding for KMA municipality | CMU, 2010 |
| 9 | Consolidated report of Internal Appraisal and handholding for Non-KMA municipality | CMU, 2011 |
| 10 | EOI report for Centre of Excellence in Urban Development at ATI, Kolkata | ATI, Kolkata, 2008-9 |
| 11 | Proceedings for Re-visioning Kolkata: A National Symposium | ITPI, WB Chapter, 2011 |
| 12 | Project Report for Long Term course for Urban | ATI, Kolkata, 2011 |

| Planners (AITP) in West Bengal | | |
|--------------------------------|--|-------------------------|
| 13 | Report on re-utilisation of rail land around the railway stations | Inspirations, 2012 |
| 14 | Technical Report for Assessment of Architectural Education at IIT Roorkee (part) (for COA) | IIT Roorkee, 2013, 2014 |
| 15 | Tourism based Action Plan for Chitrakoot, MP (with co faculty Prof. R Shankar) | IIT Roorkee, 2014 |
| 16 | Uttarakhand Capital Region Plan 2041 (with Co-faculty Prof. V. Devadas) | IIT Roorkee, 2015 |
| 17 | Integrated Development Plan for Rishikesh 2040 (with Co-faculty Prof. V. Devadas) | IIT Roorkee, 2015 |
| 18 | Vision Plan for Dal Lake, Srinagar (part) (PI- Prof. A Kazmi) | J & K Government 2016 |

Sd/-

UTTAM KUMAR ROY