CURRICULUM VITAE

# MUHAMMAD ADEEL

PhD Fellow at the Department of Urban Planning Mobile: +852 5489 4670

Room 841, 8th Floor, Knowles Building, Office: +852 2859 2721

The University of Hong Kong, Pokfulam, Hong Kong Email: townplanneradeel@gamail.com

**EDUCATION**

Ph. D. Urban Planning (ongoing), University of Hong Kong, Hong Kong, Department of Urban Planning & Design, 2011-2015

M.S., Remote Sensing and GIS, National University of Sciences and Technology, Pakistan, Institute of GIS, 2009

B.S., University of Engineering and Technology Lahore Pakistan, Department of City & Regional Planning, 2005

**AWARDS, HONORS AND FUNDINGS**

HKU University Postgraduate Fellowship and Post Graduate Studentship: 2011-2015

Ulster University (Northern Ireland, UK) Vice Chancellor’s Research Scholarship for PhD Project (Not Used): 2011

The Young Planning Professional (YPP) Award by the International Society of City and Regional Planners (ISOCARP), Netherlands: 2010

ISTIC-TWAS Entrepreneurship Awards for ‘Innovations in Science and Technology in Developing Countries’ Award by International Science, Technology and Innovation Centre or South-South Cooperation (ISTIC-UNESCO) and the Third World Academy of Sciences (TWAS-ICTP), Malaysia: 2010

NUST Pakistan Merit Scholarship for MS Studies, Amount: PKR 280,000: 2005-2007

Higher Education Commission of Pakistan, Travel Grant Award for research presentation in Beijing, China, Amount: PKR 150,000: 2010

Best Poster by Young Planning Professional (Contents) in the 46th International ISOCARP Conference, Kenya: 2010

KFAL (Saudi Arabia) Study scholarship for B.S., Amount PKR 24000: 2001-2004

Dr. Yousaf Engineering Scholarship for B.S., Amount PKR 48000: 2001-2004

**RESEARCH INTERESTS**

Poverty, social exclusions and time use; Transportation disadvantage; Socio economic data analysis

**PROFESSIONAL AFFILIATIONS**

Professional Member Pakistan Council of Architects and Town Planners (PCATP): 2005-present

Associate Fellow Pakistan institute of City & Regional Planners (PICRP): 2006-present

Member IEEE, IEEE Geosciences and Remote Sensing Society (GRSS): 2007-2008

**TEACHING EXPERIENCE**

Lecturer 2009-2011 GIS-865: Land Information Systems, AE-301: Architecture & Town Planning, CE-114: Computer Aided Drawing / Drafting and various short courses / trainings on Introduction to GIS

Lecturer 2007- CRP-111: Introduction to GIS for Town Planners, CRP-215: Computer Aided Information Analysis

**PROFESSIONAL POSITIONS**

PhD Fellow 2011- Department of Urban Planning & Design, the University of Hong Kong

Lecturer 2009-2011 Institute of Geographical Information Systems (IGIS) , National University of Sciences and Technology (NUST), Islamabad, Pakistan

Visiting Lecturer 2007 Department of City & Regional Planning, University of Engineering and Technology, Lahore, Pakistan

Urban Planner 2005-2009 SK Consultants (Private) Limited, Rawalpindi, Pakistan

Town Planner 2004-2005 Allied Engineering Consultants (Private) Limited, Lahore, Pakistan

**SERVICES**

Member Discipline Committee of IGIS NUST 2010-2011

Member local purchase committee of IGIS NUST 2009-2011

Member purchase committee of SCEE NUST 2009-2010

Institute representative of Career Development Council of NUST 2011-

**THESIS**

Master’s: “Spatio temporal growth analysis of Zone IV Islamabad”, 2009. National University of Sciences and Technology, Islamabad, Pakistan. Advisor: Professor Khattak, M. U. Khan.

Bachelor’s: “Multilevel land use mapping of Raiwind, Lahore through Quickbird satellite imageries”, 2005. University of Engineering and Technology Lahore Pakistan, Advisor: Professor Zaidi, S. S. Hassan.

**MAJOR RESEARCH / CONSULTANCY PROJECTS**

Private housing scheme design and development in Islamabad, GIS based District and Tehsil level land use planning, RS based land use mapping, Vectorization of raster map data

Improving the Cadastral Record for multipurpose functions - A GIS Approach; A Case Study of Rawalpindi Development Authority

**RESEARCH PUBLICATIONS**

***Book Chapters***

Adeel, M. (2011). “Monitoring urban expansion: Pakistan”, ISTIC-TWAS Case Study for ‘Innovations in Science and Technology in Developing Countries’, Edited by Kate Willis, TWAS

***Peer reviewed Journal Papers***

Adeel, M. (2010). "Methodology for Identifying Urban Growth Potential of an Area Using Land use and Population Data: A Case Study of Islamabad Zone IV", Procedia Environmental Sciences (Elsevier), Volume 2, 2010, Pages 32-41, ISSN:1878-0296

Adeel, M. (2010). Spatial dimensions of population expansion in Islamabad Zone–IV, for the journal of GeoCarto International, ISSN: 1010-6049, Taylor and Francis, UK. (Under Writing)

***Peer Reviewed Conference Papers***

Adeel, M. (2010). "Assessing the implementation of Rawalpindi's Guided Development Plan through GIS and remote sensing", in the proceedings of Third International Symposium on Infrastructure Engineering in Developing Countries (IEDC-201O) and 1st International Conference on Sustainable Transportation & Traffic Management, July 1-3, 2010, Karachi, Pakistan. pp. 231-240. ISBN: 978-969-8620-10-3. Available On line

Adeel, M. (2010). “The role of Land Use Policy behind unauthorized spatial expansion in rural areas of Islamabad”, in the proceedings of 46th ISOCARP Congress, "Sustainable City / Developing World", 19-23 September 2010. Nairobi, Kenya. ISSN**:** 978-94-90354-09-1, Available On line.

***Selected Conference Abstracts and posters***

Adeel, M., (2010). Rooftop solar feasibility study of F-10, F-11 sectors, Islamabad. Abstract published in Proceedings of The International Conference on Energy Systems Engineering (ICESE - 2010), Islamabad-Rawalpindi, Pakistan on 25 - 27 October 201.

Adeel, M., Sohail, A. and Firdous, T. (2010). Identification of alternate energy potential in remote areas of Baluchistan province, Pakistan. Abstract published in Proceedings of The International Conference on Energy Systems Engineering (ICESE - 2010), Islamabad-Rawalpindi, Pakistan on 25 - 27 October 201

Adeel, M. (2010). “The role of Land Use Policy behind unauthorized spatial expansion in rural areas of Islamabad”, poster for 46th ISOCARP Congress, "Sustainable City / Developing World", 19-23 September 2010. Nairobi, Kenya. Available On line.

Adeel, M. (2010). "Scope of Spatial Data Infrastructures for developing countries", Abstract accepted at International Conference on Spatial Data Infrastructures 2010", September 15-17, 2010, Skopje, Republic of Macedonia.

M. Adeel, M. Hussein, Khattak, M. U. K. (2007). GIS based Routing of Municipal Waste Collection & Disposal Vehicles: A Case Study of Gujranwala City, Pakistan. Abstract published in Proceedings of International Conference on Recent Advances in Space Technology (RAST 2007), Turkey.

***Selected Workshops/Trainings attended***

1. TWAS-ISTIC Training Workshop on Technopreneurship For South-South Countries, 1-5 September 2010, Penang, Malaysia
2. Young Planning Professionals’ Workshop, 15-18 Sept. 2010 Nairobi, Kenya organized by International Society of City and Regional Planners (ISOCARP), Netherlands
3. 4th EXYLENT (EXploring Young LEaders’ Natural Talent) WORKSHOP on Innovation and Creativity at NUST School of Electrical Engineering and Computer Science (SEECS), Duration 2 weeks (26th July - 6th Aug 2010)
4. Quantitative Data Analysis in SAS, Graduate School course of the University of Hong Kong (2012)
5. ArcGIS for Socio Economic Data Analysis, National University of Sciences & Technology 2011: (participant and Instructor)