

Lecture on New Tools in Urban Morphology: Back to the Future?

Date: 30th November, 2022 (Wednesday)

Time: 2:00 PM to 3:30 PM

Duration: 1:30 hour

No. of Student Participants: 128

No. of Faculty Participants: 107

No. of External Guests: 1



 Department of Architecture
and Regional Planning

INTERNATIONAL EXPERT LECTURE ON
NEW TOOLS IN URBAN MORPHOLOGY
BACK TO THE FUTURE?
November 30 2022
14:00 PM IST | 09:30 AM CET



Kindly register at:
<https://forms.gle/MpxVPXAbFE8SkWrw5>
before 29th November 2022
Meet link will be shared on mail.

PROF MARCO MARETTO
Prof of Architecture and Urban Design
Department of Engineering and Architecture,
University of Parma, Italy

Organiser	Faculty Coordinator	Student Coordinators
Ar. Madhuri Agarwal (HOD - SOE - B)	Radhika Goel Sonam Singh	Rishabh Bhardwaj Adhaar Tyagi Chandra Kirti Singh

Key Note Speaker: Prof. Marco Maretto, Department of engineering and Architecture,
University of Parma, Italy

Chief Coordinator: Ar. Madhuri Agarwal, Assistant Professor and HOD,
Department of Architecture and Planning, Convener (GBU)

Coordinator: Ar. Radhika Goel and Ar. Sonam Singh

Joining Link: <https://teams.live.com/meet/9554153159699>

About the speaker:

Marco Maretto is Associate Professor of Architecture and Urban Design at the University of Parma. Over the years he has taught as Assistant Professor and Adjunct Professor at the Universities of Rome La Sapienza and of Florence, coming into direct contact with vibrant scientific environments and a number of research approaches which constitute, together with the numerous **international lectures**, his main formative background. He is a member of **I.S.U.F.** (International Seminar on Urban Form) since 1999 (www.urbanform.org), Council Member since 2010 to 2016, **Founder** and **Vice-president** of I.S.U.F. Italy, the Italian Scientific Society of Urban Morphology (www.isufitaly.com), Marco Maretto focuses his research on the interpretation of the urban form as a basis for urban design: Urban Morphology, Sustainability and Urban Design can be considered the key words of his work.

About the chief coordinator:

Ar. Madhuri Agarwal, Assistant Professor and HOD, Department of Architecture and Planning at Gautam Buddha University, Greater Noida. She is GOLD MEDALIST Post Graduate in Architecture Pedagogy from Faculty of Architecture and Aesthetics, Jamia Millia Islamia in year 2012, Currently Pursuing PhD in Architecture. She has approximately **13 years of experience** in various fields like teaching, research, and Industry experience. She has attended several International and National seminars and conferences and workshops. She has completed various National and International Certification with University of Nizwa, Oman and Aachen University, Germany. She is a Member of Council of Architecture and ESDA.

Her areas of interests are Architecture, Architecture Pedagogy, Crafts in Architecture, Heritage. She has various Research Publications in National and International Conferences and Seminars, Journals. She is also a SOCIAL ACTIVIST, leading a campaign '**Neki ki Deewar**' or 'Wall of Kindness' selected for publication in National Report on "Documentation & Compilation of the best practices of Sustainable Development as propounded by Pt. Deen Dayal Upadhaya", a Ministry of Culture, Government of India, Antyodhya along with team (Students of Architecture), has built **100+ walls so far, in 20+ cities**. She has also received Young Researcher Award by ESDA Delhi. She has also received A3 Teachers Award by A3 foundation Chandigarh. She has also received Best Guru Female Award by SEMS Welfare Foundation.

Objective of the session: To understand the new tools in urban morphology and their application in urban planning.

Brief Description of the session:

A Live Session was conducted on “New Tools in Urban Morphology: Back to The Future?” on 30th November, 2022 on Microsoft teams. The session was started by Ar. Madhuri Agarwal, Convener, GBU. She welcomed the key note speaker of the day i.e., Prof. Marco Maretto, Department of engineering and Architecture, University of Parma, Italy and all the participants who joined the program. She also welcomed other eminent guest Prof. R.P. Sinha, Honorable Vice Chancellor, GBU who emphasized on the importance of such lectures.

Prof. Marco Maretto started the lecture by explaining how the urban morphology studies originated from Venice and later on it spread through Rome, England and other countries. He then emphasized on the need of new tools in urban morphology in order to get sharp at urban analysis, urban fabric of contemporary cities. Thereafter he explained the concept of proximity, diversity, density, ubiquity and their relation with historic cities. He explained the role of neighborhoods and public spaces in a contemporary city. He gave examples of famous places like San Polo, Santa Maria Formosa and Cannaregio of Venice city to explain their urban morphology. He also emphasized the use of GIS by which he and his team gathered the data like population density, decay of buildings, height of buildings, age, gender etc of San Polo, Venice which they further used to make a new but complex tool for urban analysis.

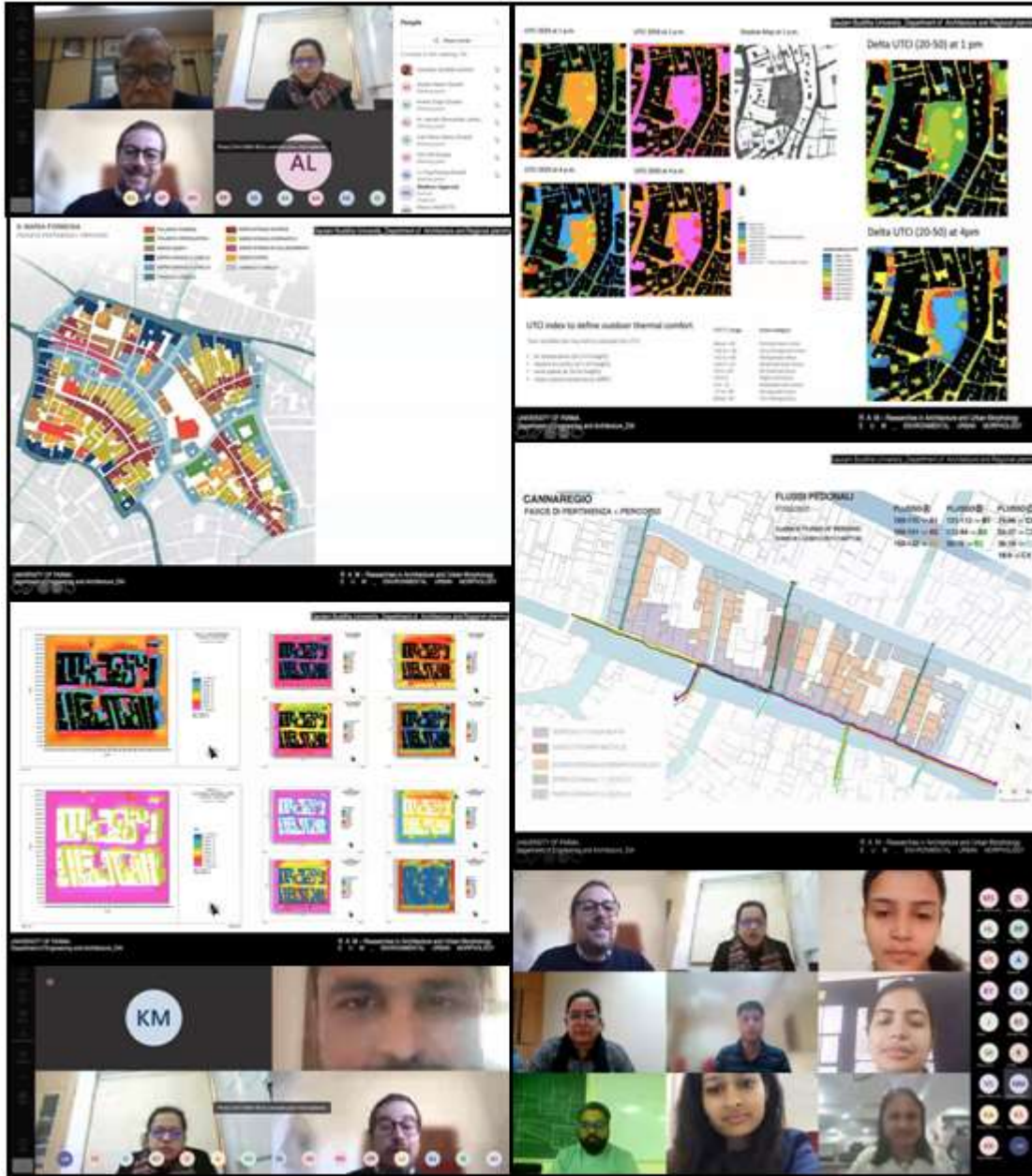
Then he discussed some major routes of various places of his study area by highlighting the traffic flow and traffic volume seen at different periods throughout a day by dividing the flow in primary, secondary and tertiary flows. He also explained about the outdoor thermal comfort of different places of study area and discussed the effect of microclimate in the locality like Santa Maria Formosa, Cannaregio etc. Thereafter he explained about the urban heat island effect and its intensity in the urban area. He emphasized on the importance of above data and tools for environmental design of the public space. He further added that we can find a variety of data such as the flow values like quantity, speed and direction, flow classes like nodality, urbanity etc., value maps and so on.

He concluded the lecture by explaining the complementary relationship between the pedestrian flows which is the dynamic morphology, GIS data which is morphological data and the pertinent strips which is physical morphology; which together makes the environmental urban morphology. The session was followed by a short interactive question and answer round. The session was concluded by a Vote of Thanks by Ar. Madhuri Agarwal. The faculty coordinator Ar. Radhika Goel and Ar. Sonam Singh along with the students Rishabh Bhardwaj, Adhaar tyagi and Chandra Kirti Singh played a key role in the successful completion of the event.

Learning Outcomes:

The Students, Faculties, Research Scholars etc. gained in depth knowledge of the new tools in urban morphology for better analysis of urban areas.

Session Photographs:



Social Media Links:

Twitter- <https://twitter.com/madhu2486/status/1597936407695147008?cxt=HHwWgICqpcqsga0sAAAA>

LinkedIn- <https://www.linkedin.com/in/madhuri-agarwal-75662b47>

Facebook-

https://m.facebook.com/story.php?story_fbid=pfbid09hxMhz1mJWeV94WujNijquZCu5yZhzgqj6nQZBfGSqso5ENTxnRrc23N9aspK8gl&id=100083105360387&mibextid=Nif5oz