



**Urban Greenway Planning**  
Adapting to expanding and contracting cities  
March 28 - 30 2019 • UMass Amherst, USA

## Conference Program

The Fábos Conference on Landscape and Greenway Planning is held every three years to bring together experts who are influencing landscape planning, policy making, and greenway planning from the local to international level. It is intended to highlight recent trends and expand the literature about landscape and greenway planning. The aim is to explore how experts from different countries have approached greenway planning and to understand how greenways have been tailored to each country's unique geographical, cultural, and political circumstances.



**March 29-30, 2019**  
**Campus Center**  
**University of Massachusetts, Amherst**

# The 6<sup>th</sup> Fabos Conference on Landscape and Greenway Planning

University of Massachusetts, Amherst

March 28-30, 2019

## AGENDA

### Friday, March 29<sup>th</sup>

- 8:00-9:00 Registration & Breakfast, 1<sup>st</sup> Floor Concourse
- 9:00-9:30 Introduction from Conference Chairs and UMass Chancellor
- 9:30-10:15 Keynote Address by **Nancy Rottle**
- 10:15 BREAK
- 10:45-12:00 **Session #1**
- 12:00-1:50 Lunch and Keynote Address by **Albert Fekete**, Marriot Center, 11<sup>th</sup> Floor
- 2:00-3:15 **Session #2**
- 3:15 BREAK
- 3:45-5:00 **Session #3**
- 5:00-6:30 Reception, Marriot Center, 11<sup>th</sup> Floor
- 6:30 - 8:00 Banquet Dinner and Award Ceremony, Marriot Center, Keynote Address by **Luis Ribiero**

### Saturday, March 30<sup>th</sup>

- 8:00-9:00 Registration & Breakfast, 1<sup>st</sup> Floor Concourse
- 9:00-9:45 Keynote Address by **Joan Nassauer**
- 9:45-10:30 **Session #4**
- 10:30 BREAK
- 11:00-12:15 **Session #5**
- 12:15-2:45 Lunch and Poster Session in the Design Building Atrium
- 2:45-4:00 **Session #6**
- 4:00 BREAK
- 4:30-5:45 **Session #7**
- 6:00-8:00 Reception, Bistro 63, Downtown Amherst

# Session Topics and Tracks

	Climate Adaptation	Biodiversity	Equity and Justice	Greenway Movement	Greenway Case Studies	Spatial Analysis	Urban Vegetation	Landscape Character	Planning and Governance	Ecosystem Services	Cultural Landscapes	
Friday												Session #1
												Session #2
												Session #3
Saturday												Session #4
												Session #5
												Session #6
												Session #7

## Keynote Addresses

**Albert Fekete, Ph.D.**

Szent István University, Lépték-Terv Landscape Architecture  
*Views, Vistas, and Prospects - Research and Design*

**Luís Ribiero, Ph. D.**

Lisbon University, TOPIARIS Design Office  
*Heading towards greenways of the future: embracing place's nature and culture*

**Nancy Rottle, RLA, FASLA**

University of Washington, UW Green Futures Lab  
*Greenways for Expanding Cities: Open Space Planning in Metropolitan Seattle*

**Joan Nassauer, FASLA**

University of Michigan, Co-Editor-in-Chief, Landscape and Urban Planning

# SESSION #1 • Friday, 10:45 - 12:00

## 1A Climate Adaptation

Moderated by:  
Room 165

*On the Coastline: The genesis of green infrastructure towards a future sustainable landscape for the city of Maputo, Mozambique*

**Ana Beja Da Costa, Luis Paulo Ribeiro, Universidade de Lisboa**

*Challenges of Metropolitan Scale Green Infrastructure Planning: the Sydney Green Grid*

**Catherine Evans, UNSW Sydney**

*Rising Seas: Adaptable Planning Strategies for Coastal Urban Greenways - Case Studies in the US and China*

**Hongbing Tang, Jeanne Lukenda UMass-Amherst**

*The Green Belt of Auroville*

**Zita Szabo, Boglárka Nagy Szent István University**

## 1B Biodiversity

Moderated by:  
Room 165

*Why Did the Turtle Cross the Street? An examination of herpetofauna habitat road fragmentation*

**Carlos Balsas, University of Albany**

*Creating a Regional Pollinator Corridor*

**Evan Abramson, Franklin Regional Council of Governments**

*Study on Greenway Plant Landscape Based on Bird Habitat Construction - A Case Study of Wenyu River - North Canal Greenway in Beijing*

**Mengyuan Zhang, Peiyao Hao, Yilun Li, Shuxin Fan, Li Dong, Beijing Forestry University**

*The Role of Mining Ponds in the Hungarian Greenway Network*

**Dalma Varga, Ildikó Módosné Bugyi, Nóra Hubayné Horváth Szent István University**

## 1C Equity and Justice

Moderated by:  
Room 165

*Sustainable Green Infrastructure Planning in Greece: Proposal for an Urban Greenway Network in the Greater Athens Metro Area*

**Alexander Kantartzis, Spiro Pollalis, University of Ioannina**

*Analyzing the Spatial Equity of the Benefits of Nature Based Solutions*  
**Daniele La Rosa, Viviana Pappalardo, University of Catania**

*Greenways for Climate Adaptation: Avoiding the 'Green Paradox' while Improving Urban Resiliency*

**Elisabeth Hamin Infield, Jacobien Kuiper, UMass-Amherst**

*Greening without Gentrification? The Necessity of Transformative and Adaptive Governance for Sustainable Community-Oriented Implementation*

**Dorottya Bekesi, David Ralston Szent István University**

## 1D Greenway Movement

Moderated by:  
Room 165

*Urban Greenways: A Systematic Review*  
**Olivia Horte, UMass-Amherst**

*Contradicting knowledge map of greenways: a comparative analysis based on English and Chinese literature*  
**Nannan Zhao, Zheng Liu South China University of Technology**

*Lessons learnt for Urban Greenway Planning from across the globe*  
**Shweta Suhane Nirma University, India**

*Are Greenways No Longer Green?: Understanding Greenway Planning Goals in Ohio Cities*  
**Amy Lynch, Ohio University**

# SESSION #2 • Friday, 2:00-3:15

## 2A

### Climate Adaptation

Moderated by:

Room 165

*Implication of urban occupation patterns in the natural infiltration*  
**Ana Paula Seraphim**, Maria do Carmo Bezerra, Aline Nóbrega Oliveira  
**University of Brasília**

*Visualizing Climate Change-induced Futures: Temporary Art Installations on Boston's Greenways*  
**Carolina Aragon**, **UMass-Amherst**

*An Alternative Futures Approach to Green Infrastructure Planning for an Increasing Population*  
**Daniel Cronan**, **University of Idaho**

*SAGE Short Course: A Pedagogical Model for Intensive Learning About Green Infrastructure Resilience Strategies for Coastal Sea Level Rise*  
**Jane Buxton**, **UMass-Amherst**

## 2B

### Biodiversity

Moderated by:

Room 165

*Repercussions in the landscape of Colombian Amazonas (Cauquetá and Putumayo Region) caused by deforestation during the internal armed conflict; a Review*  
**Fernando Mendez**, István Valánszki  
**Szent István University**

*Productive Waterscapes in the west-south of Europe. Use circular economy theory to drive the change from a linear to a circular paradigm of water and greenways.*

**Monica Manfredi**  
**Politecnico di Milano**

*Hotspot Cities Project*  
**Zuzanna Drozd**, Richard Weller  
**University of Pennsylvania**

## 2C

### Equity and Justice

Moderated by:

Room 165

*Baltimore Greenway Trails Network*  
**Avery Harmon**  
**Rails-to-Trails Conservancy**

*Boom and Decline: When Greenways Link Low and High SES Neighborhoods*  
**Margaret Bryant**, **SUNY-ESF**

*Planning for Diverse Engagement*  
**Natalia Sanchez**, **Cornell University**

*Revitalizing Urban Waterway's Community Green space: Streams of Environmental Justice*  
**Sharon Moran**, Richard Smardon, April Baptiste, **SUNY-ESF**

*City in the Park, Greenway Network of High-Density Cities - An Adaptation Study of Singapore Park Connector Network*  
**Guifang Wang**, Huawei Li, Yang Yang, Sándor Jombach, **Szent István University**

# SESSION #3 • Friday, 3:45 - 5:00

## 3A

### Green Infrastructure

Moderated by:

Room 165

*Brown' is the new green - Post-industrial sites as potential in the development of the green infrastructure on the riverfront of Budapest, Hungary*  
**Anna Adorjan**, Kinga M. Szilagyfi, Anna Pecze, **Szent István University**

*Selling nature: aligning green infrastructure principles with the funding of urban landscapes*  
**Ian Mell**, **University of Manchester**

*Challenges and answers of urban development focusing green infrastructure in European Metropolises*  
**Krisztina Filepné Kovács**, István Valánszki, Paloma Gonzalez De Linares, Sándor Jombach, Vera Iváncsics, Klaudia Máté, **Szent István University**

*Identifying and classifying, quantifying and visualising Green Infrastructure via urban transects in Rome, Italy and Sydney, Australia*  
**Simon Kilbane**, Daniele La Rosa, **University of Technology, Sydney**

## 3B

### Urban Vegetation

Moderated by:

Room 165

*Urban Microscales: The role of spontaneous urban vegetation and site-responsive art interventions*  
**Frank Slegers**, **UMass-Amherst**

*The role of individual trees in the protection of urban image*  
**László Nádasy**, Zsuzsanna Illyés, Gábor Sándor, **Szent István University**

*Characterizing Historical Urban Canopy Cover Change in a Post-industrial City*  
**Marc Healy**, **Clark University**

*The impact of a tree planting program's network on tree survivorship and vigor in Massachusetts Greening the Gateway Cities Program.*  
**Nicholas Geron**, **Clark University**

## 3C

### Spatial Analysis

Moderated by:

Room 165

*Mapping and assessment of urban heat island in Zhengzhou city*  
**Huawei Li**, Sándor Jombach, Guifang Wang, **Szent István University**

*Greenway exploration in the satellite jungle – Discovery of urban and rural green network with satellite image analysis in Hungary*  
**Sándor Jombach**, Huawei Li, Guifang Wang, István Valánszki, Krisztina Filepné Kovács, **Szent István University**

*Greenness indicator for spatial and settlement planning based on NDVI and LAI indicators*  
**Laszlo Kollányi**, Klaudia Máté, Viola Prohaszka, Edina Fóris, Ágnes Sallay, **Szent István University**

*Study on Greenway Network Planning Based on Big Data Social Behavior and Urban Potential Space Framework*  
**Xixi Chen**, **Beijing Forestry University**

## 3D

### Case Studies

Moderated by:

Room 165

*Trail Users in the Cincinnati Metropolitan Region: Purposes, Patterns, and Preferences*  
**Greg Lindsey**, Na Chen, Wade Johnston, Kelley Adcock, Esther West **University of Minnesota**

*Recognizing Greenway Network for Quantifying Students Experience on Campus-Based Universities : Assessing the Campus Outdoor Spaces at San Diego State University*  
**Mohammed Gabr**, Hisham Elkadi, Claudia Trillo, Bruce Appleyard, **University of Salford**

*Impact of the engendered Fo'raa square on the city expansion; square efficiency and attraction*  
**Anne Gharaibeh**, Jasmine Lefdawji **Jordan University of Science and Technology**  
*Perceptions of the "new urban greenways" in the Pearl River Delta, China*  
**Zheng Liu**, **South China University of Technology**

# SESSION #4 • Saturday, 9:45-10:30

## 4A

### Publishing in Landscape and Urban Planning

Room  
175

*A special session with Joan Nassauer, Co-Editor-in-Chief of Landscape and Urban Planning, to learn about the requirements and process for publication in the journal. This will be an opportunity to learn how to enhance your probability of success when submitting a paper to the journal and to ask questions.*

**Joan Nassauer, FASLA, University of Michigan**

## 4B

### Greenway Case Studies

Moderated by:

Room  
163

*East Coast Greenway Ideas: Urban to Rural*

**David Myers, Sherry Russell, Sarah Turner, Sarah Wallace**  
**University of Maryland**

*The 606 at Three: Trends in Use of Chicago's Elevated Rail-Trail*

**Greg Lindsey, Yunlei Qi, Paul Gobster, Sonya Sachdeva, University of Minnesota**

*Neabsco Creek Boardwalk: Beyond Just Connecting Communities*

**Jim Klein, Lardner/Klein Landscape Architects, PC**

*A study on Community Greenways of Haizhu in Guangzhou from the perspective of Everyday Urbanism*

**Wenxiu Chi, Guangsi Lin, South China University of Technology**

# SESSION #5 • Saturday, 11 - 12:15

## 5A Landscape Character

Moderated by:

Room 165

*Land use change and city character change: the provision of Amman green corridor*

**Anne Gharaibeh**, Esra'a Al-Zu'bi  
Jordan University of Science and Technology

*Adapting Landscape Character Assessment for Supporting Greenways Planning for the Proposed Appalachian GEOPARK*

**Charlie Yuill**, Stefania Stanasia  
West Virginia University

*Presence of Water Mills in Hungary*

**Zita Szabo**, Ágnes Sallay  
Szent István University

*New results in surveying landscape character and urban green areas*  
**Dalma Varga**, Zsuzsanna Illyés, Zsófia Földi, Kinga Albicz, Szent István University

## 5B Urban Vegetation

Moderated by:

Room 165

*Street Trees and Safety Implications for Drivers, Walkers, and Bikers: A Systematic Review*

**Alicia Coleman**, UMass-Amherst

*Tree composition and structure in relation to urban park history and land-use in Hong Kong, China*

**Allen Hao Zhang**, Technological and Higher Education Institute of Hong Kong

*Monitoring the impact of planted trees on land surface and air temperatures in Massachusetts Gateway Cities*

**John Rogan**, Benjamin Weil, Deborah Martin, Mathew Cahill, Clark University

*The role of vegetation in interpreting the city. A typo-morphological analysis applied to the case of Lisbon (Portugal).*

**Maria Matos Silva**, Rui Justo  
Universidade de Lisboa

## 5C Planning & Governance

Moderated by:

Room 165

*Cuyahoga Greenways: A Community-Driven, Data-Enriched Initiative to Implement a Regional Greenway Vision*  
**Neal Billeldeaux**, Michael Mears, Oliver Kiley, SmithGroup

*Greenways as Indigenous cultural pathways. Healing landscape and peoples one step at a time in the South West of Western Australia*

**Simon Kilbane**  
University of Technology, Sydney

*Understanding governance structures in shaping greenway implementation in city-regions: A case study in central Zhejiang Province, China*

**Jun Xian Chen**, Sun Sheng Han, Siqing Chen, The University of Melbourne

*The Williamsburg Mill River Greenway: An Illustrated Case Study Time-Line From Community Charrette to Public Plan for Design and Construction*

**Nicholas Dines**, Gaby Immerman  
UMass-Amherst

## 5D Case Studies - Water

Moderated by:

Room 165

*Sensitive Study of the City/Nature Relationship Associated to the Montevideo Waterfront*

**Ana Vallarino Katzenstein**,  
Universidad de la República, Uruguay

*Interlinking People and Nature through a Technologized Urban Greenway*

**Dorottya Bekesi**, Szent István University  
*Waterways to Urban Greenways: A case study in Shangjie, Zhengzhou, Henan, China*

**Li Zhang**, Techand, China

*Palermo, Italy: the coast road.*

**Monica Manfredi**, Politecnico di Milano



# Poster Session • Saturday, after lunch

## Design Building Atrium

**Video:** *The Emerald Network: Connecting & Extending Boston's Greenways*  
**BSLA Senior Studio, UMass-Amherst**

**Photo Exhibit:** *Why we protect greenways; landscape and wildlife photography*  
**Mark Lindhult, FASLA, UMass-Amherst**

*Connectivity and Place-Making in the Lower Raritan Watershed*  
**Sanja Martic, Sophia Trinidad, Rutgers University**

*Laoximen Phase I (Old West Gate) Urban Waterfront Transformation*  
**Yanhong Tang, Ecoland Planning and Design**

*Exploring the opportunities for (re)developing natural coastal buffer through the strategy of managed retreat. Case study: Coney Island*  
**Onam Bisht, Cornell University**

*Pedaling Parks to People*

**Phoebe Uman, Reid Bertone-Johnson, Elisabeth Nesmith, Anna Levine, Zoe Nadig, Smith College**

*Integrating Commute Cycling with Green Infrastructure for Coastal Resiliency: Designing a Model for the Adaptive Future of East Boston*  
**Jessica Schoendorf, UMass-Amherst**

*Green Network in the Changing Urban Structure*  
**Vera Iváncsics, Szent István University**

*Project Eddy Gate: An Experiment in Transforming one of Collegetown's Few Open Spaces*  
**Rhea Lopez, Elyse Belarge, Cornell University**

*Reutilization and Remediation of Sunset Park's Brownfield Opportunity Area*  
**Yincheng Zhang, UMass-Amherst**

*The Art of Healing the Landscape: The Application of Phytotechnology in Garden Art*  
**Tia Novak, UMass-Amherst**

*Uncovering the Potential of Peabody's Hidden Streams: A Greenway for Social and Ecological Connectivity*  
**Mitchell Johnson, UMass-Amherst**

*Reclaiming the River: Green Infrastructure Design for a Small City Center*  
**Tasuku Kamei, UMass-Amherst**

*The use of Geotechnologies in the analysis of Vegetation Index and Heat Island in the city of São Paulo, SP, Brazil.*  
**Amanda Lombardo Fruehauf, Magda Lombardo, Paulo Pelligrino  
Universidade de São Paulo**

# SESSION #6 • Saturday, 2:45 - 4:00

## 6A

### Ecosystem Services

Moderated by:

Room 165

*Urban Landscape Planning and the contribution of green infrastructure to promoting ecosystem services.*

**Camila Gomes Sant' Anna**, Maria Do Carmo Bezerra Lima, **University of Brasília**

*Greenways as a Solution to Reduce the Fine Particle Pollution in Beijing, China*

**Fan Fu**, Caijun Zhao, Luca Maria Francesco Fabris, **Beijing University of Civil Engineering and Architecture**

*Rethinking urban nature: the rise and value of Nature-Based Solutions (NBS) in Europe*

**Ian Mell**, Sarah Clement, **University of Manchester**

*Evaluation of the Value of Regulating and Supporting Services Provided by Green Infrastructure in Wuhan*

**Wei Zhang**, **Huazhong Agricultural University, China**

## 6B

### Cultural Landscapes

Moderated by:

Room 165

*Lalbagh: An Incomplete Depiction of Mughal Garden in Bangladesh*

**Farzana Sharmin**, **University of Nürtingen-Geislingen, Germany**

*An Exploration of China's Greenway Planning Based on the Culture of China's Ancient Road: Taking the Royal Waterway of Qing Dynasty in the Northwest Suburbs of Beijing as an Example*

**Jingyu Wang**, Xiaofei Xue, Chunguang Zhou, **Beijing Forestry University**

*Building Connections to the Minute Man National Historic Park: Greenway Planning and Cultural Landscape Design*

**Robert Ryan**, Theodore Eisenman  
**UMass-Amherst**

## 6C

### Case Studies

Moderated by:

Room 165

*Leaded by Greenways? Research on The Role of Greenway in New District Development in Xiamen, A Hot-humid Bay City in China*

**Caijun Zhao**, **Huaqiao University**

*Brescia's Gravel Pits Park planning. A retrospective since 2008 to 2018.*

**Guido Granello**, **Politecnico di Milano**

*Greenways in China from Two Competitions: A Design Strategy in Urban Landscape Design*

**Jane Huang**, **AECOM Beijing**

*Park System Links*

**Wolfram Hoefler**, **Rutgers University**

*Imparting Olmsted's Legacy Abroad: An Exhibition Series in Beijing, China*  
**Yanhong Tang**, **Ecoland Planning and Design**

# SESSION #7 • Saturday, 4:30 - 5:45

## 7A

### Ecosystem Services

Moderated by:

Room 165

*Greenway Planning of Guangdong Province*

**Bing Wu, Zhuo Lu, Xiaoguang Liu, Yuanxiang Wu, Harbin Institute Of Technology**

*Influencing factors of local identity regarding cultural ecosystem services – A ppGIS case study from Budapest Metropolitan Region*

**István Valánszki, Sándor Jombach, Krisztina Filepné Kovács, Asmaa Abualhagag Ahmed, Fernando Mendez, Szent István University**

*Calculating Cultural Ecosystem Services as Part of Greenspace Management*

**Jocelyn Gavitt, Richard Smardon SUNY-ESF**

*Interaction between City and Water: The Experience of Water System Planning in the Ancient Chinese City, Jinan for The Modern Urban Greenway Construction*

**Peng Zhao, Xiaofei Xue, South China University of Technology**

## 7C

### Case Studies

Moderated by:

Room 165

*Comparative Analysis of Urban Greenway Construction in Asia from the Perspective of Urban Expansion: The Greenways in Guangzhou, Hong Kong, Singapore and Nagoya, Japan as Examples*

**Liang Li, Yingxu Yao, Beijing Forestry University**

*Greenways as a new potential for shrinking cities. The case of Milan (Italy)*

**Luca Maria Francesco Fabris, Gerardo Semprebon, Fan Fu, Politecnico di Milano**

*Madrid Rio Project, WEST8*

**Matteo Umberto Poli, Politecnico di Milano**

## 7B

### Cultural Landscapes

Moderated by:

Room 165

*Heritage Tourism Development in As-Salt, Jordan: How to Enhance the Cultural Landscape to Accommodate the Anticipated Increase in the Number of Visitors*

**Dania Khlaifat, UMass-Amherst**

*Cultural Values of The Historical Roads in West Beijing, China*

**Fan Fu, Tao Jin, Chunqing Li**

**Beijing University of Civil Engineering And Architecture**

*The Study on Greenway Planning in Ancient China Impacted by the Literati Philosophy: Huizhou West Lake as an Example*

**Shiran Liang, Shen Zhen University**

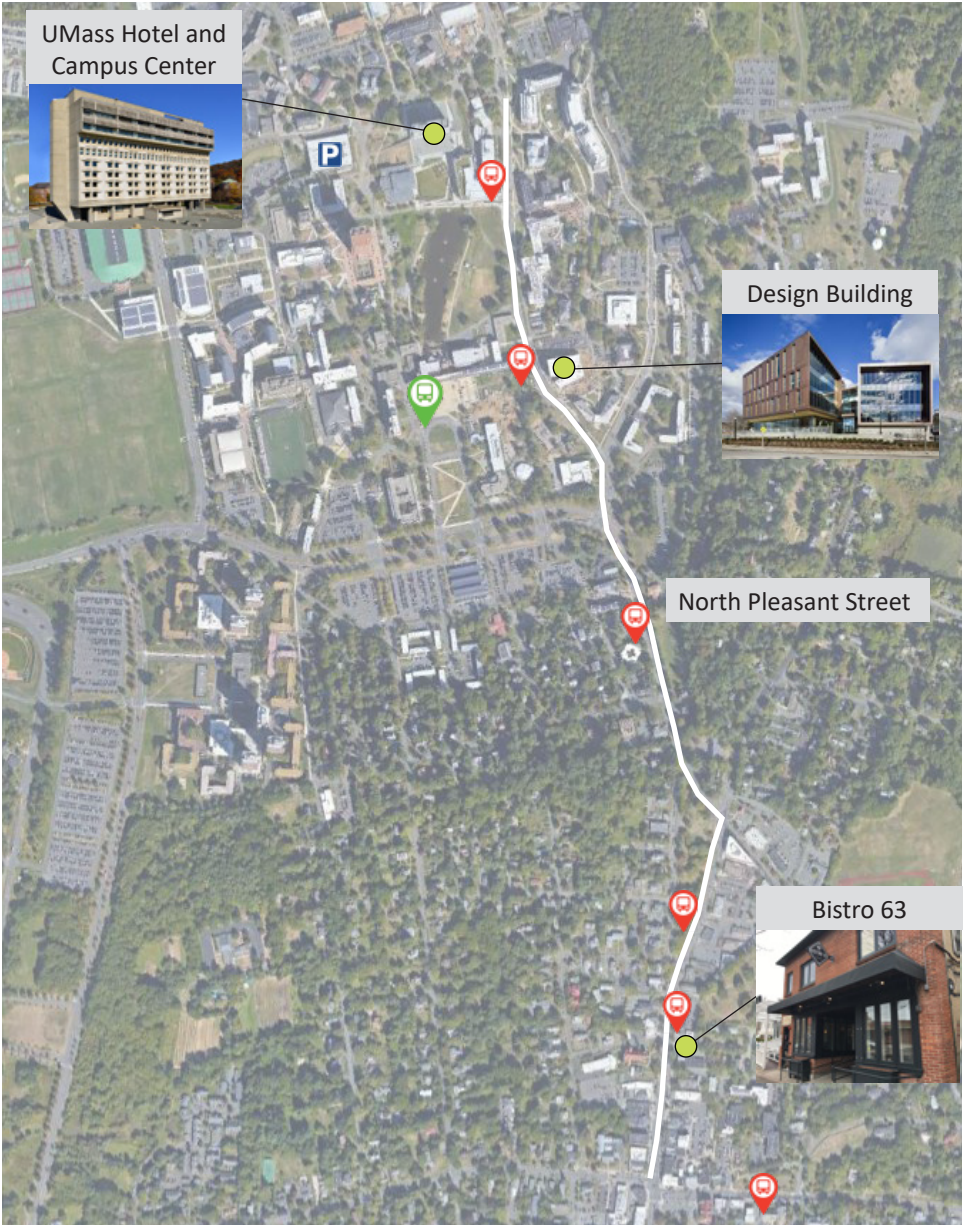
*Evaluating Open Space in urban fabric on basis of different landscape aspects, Case Study: Circuit House Park, Mymensingh, Bangladesh*

**Farzana Sharmin, Mansura Perveen University of Nürtingen-Geislingen**

*Greenway Planning in the 11th district of Budapest*

**Ágnes Sallay, Zita Szabo Szent István University**

# UMass and Amherst Map



Free, local bus transportation. Routes 30, 31, 33, and 45, run between downtown Amherst and UMass. Visit [pvta.com](http://pvta.com) for more information.



Peter Pan Bus line runs connects UMass to Springfield, Boston, and New York City. Tickets must be purchased in advance. Visit [peterpanbus.com](http://peterpanbus.com) for more information

# UMass Campus Center

