



Dr Ata Tara

Director

Education

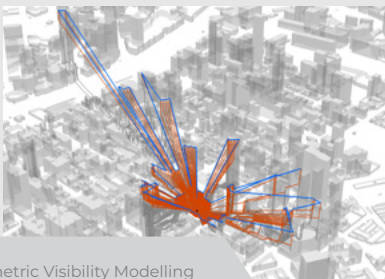
Doctor of Philosophy
Queensland University of
Technology

Master of Landscape
Architecture
University of Tehran

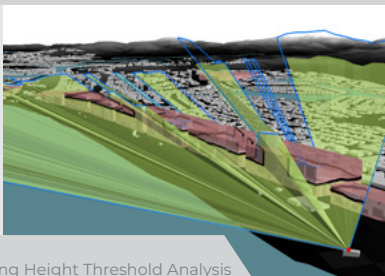
Bachelor of Architecture
Shahid Beheshti University

Affiliation

Australian Institute of
Landscape Architects (AILA)



Volumetric Visibility Modelling



Building Height Threshold Analysis



Defining Non-Intrusive
Building Heights

Summary

Ata is a Registered Landscape Architect and Landscape Planner with additional qualifications in architecture. He has over 15 years of experience in landscape planning, design and construction and has developed a foundation of skills and experience significantly contributing to a diverse range of projects. He has considerable experience in regional landscape and scenic amenity assessments, landscape and urban character studies and visual impact assessment (LVIA). He has received various AILA National and State awards in landscape planning.

His advanced visualisation and modelling capabilities in CAD and GIS are highly in demand for preparing and validating models and photomontages to assist decision-makers and as an aid for development appeals and community consultations. He has a particular interest in GIS and quantitative approaches in visual assessment and completed his PhD studies at QUT University in Landscape Planning. Ata is a lecturer at RMIT University, Landscape Architecture Discipline. He teaches in Bachelor and Master levels including various courses on GIS and cartography, design studios and core courses and an elective on LVIA. He established TRACE Visual in 2017 to pursue his expertise in the industry in support of pioneering and innovative projects.

Awards

- 2020** AILA VIC Award in Landscape Architecture for Visual Impact Assessment Research in Urban Environments for PhD Research and series of publications in peer reviewed journals (Research Category)
- 2019** AILA National President's Award & AILA QLD President's Award for AILA Guidance Note for Landscape and Visual Assessment

Awards for Gold Coast Landscape Character and Heritage Study

- 2017** Deputy Premiers Urban Design Commendation;
- 2015** AILA QLD Awards of Excellence in Planning;
- 2014** PIA QLD Commendation for Planning Excellence Best Planning Ideas Large, Regional or Urban.



Virtual Brisbane Model



Existing Photo



Proposal



Acceptable Outcome



Acceptable Outcome



Ghost View (for comparison)

Major Projects:

Visual Impact Assessment

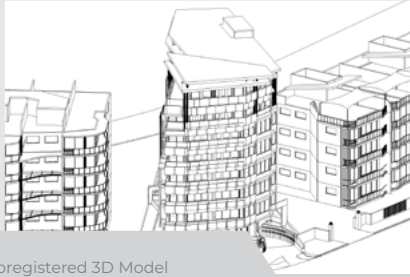
Assessment of visual impacts and landscape character of proposed major projects for EIS's and DA's in accordance with best-practice guidelines across Australia. They include significant development proposals (ports, quarries and infrastructure, solar farms), through to smaller projects (such as tall urban buildings).

- Port of Airlie VIAs for Lots 105, 113 & 115, Airlie Beach, QLD, **2020**
- Visual Impact of Urban Form Study, Gold Coast, QLD, **2019**
- New Chum Landfill VIA, Brisbane, QLD, **2019**
- Garntville Quarry, Grantville, VIC, **2018**
- Telstra Monopole VIA, Cape Leeuwin, WA, **2017**
- Telstra Telecommunication Facility, Cape Leeuwin, WA, **2017**
- Lot 105, Port of Airlie VIA, Airlie Beach, QLD, **2016**
- Cairns Shipping Development Pipelines, QLD, **2015**
- Boral Quarry LVIA, Gold Coast, QLD, **2014**
- Aquis Resort Visual Impact Assessment, **2013**
- Manly Harbour Village Visual Assessment, **2013**
- Abbot Point Coal Terminal VIA, Bowen, QLD, **2012**
- Fitzroy Island Transhipper Coal Terminal, QLD, **2012**
- Great Keppel Island Resort VIA, QLD, **2011**
- Tripcony Coastal Path, Sunshine Coast, QLD, **2010**
- Pottsville Industrial Subdivision, NSW, **2009**
- Highland Reserve Stage 21, Gold Coast, QLD, **2008**

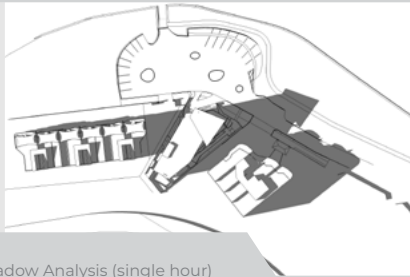
Scenic Amenity & Landscape Character Studies

Assessment of regional scenic amenity in accordance with the South East Queensland Regional Landscape Plan Guideline No 8 'Scenic Amenity Mapping', for input into Planning Schemes by developing an alternative mapping methodology. These studies included community consultation, surveying and mapping of scenic preferences and valued landscape character types for planning scheme protections.

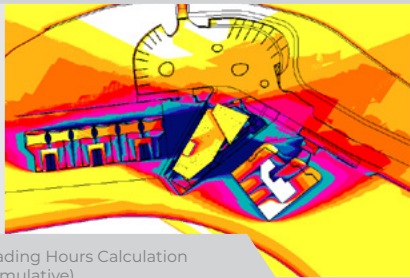
- Gold Coast Landscape Values Study, QLD, **2018**
- Gold Coast Landscape Character Study, **2014**
- Cairns Scenic Amenity Study (by conducting scenic preference survey for the first time by consultancy services in QLD), **2012-13**
- Bundaberg Scenic Amenity Study, **2011**
- Bahrs Scrub Landscape and Scenic Amenity Study, **2010**



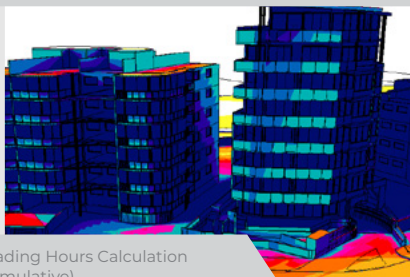
Georegistered 3D Model



Shadow Analysis (single hour)



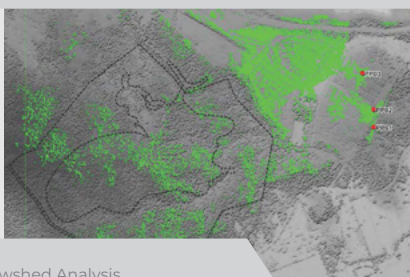
Shading Hours Calculation (cumulative)



Shading Hours Calculation (cumulative)



Visualisation (quarry rehabilitation)



Viewshed Analysis

Court Cases & Appeals

Preparation of photomontage and GIS modellings to assist the appointed visual amenity experts:

- Maxwell Street Multi-unit Development, Brisbane, **2020**
- Rabbit Ridge Windfarm Appeal, Dalveen, QLD, **2015**
- Lambert Street Multi-Unit Development, Brisbane, **2015**
- Payne Quarry, Sunshine Coast, QLD, **2013**
- Valdora Solar Farm, Sunshine Coast, QLD, **2013**
- Chalk Hotel Extension, Brisbane, QLD, **2012**

Master Planning, Design and Documentation

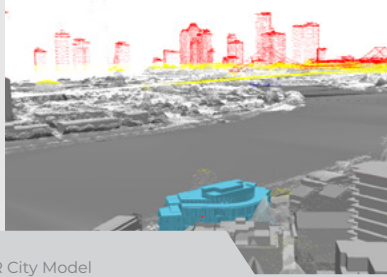
- Marrara Tennis Centre, Darwin, NT, **2016**
- Storey Park Masterplan, Hornsby, Sydney, NSW, **2015**
- North and South Komo Township Draft Structure Plan, **2013**
- Freshwater Estate, Griffin, Brisbane, **2011**
- Immanuel Lutheran College, Gold coast, QLD, **2010**
- River Stone Crossing, Gold Coast, QLD, **2009**
- Pacific Pines QE6 Precinct, Gold Coast, QLD, **2008-2010**
- Observatory, Gold Coast, QLD, **2008**
- Shirley Street, Byron Bay, NSW, **2008**
- West Coast Drive, Perth, WA, **2008**

Research & Publications

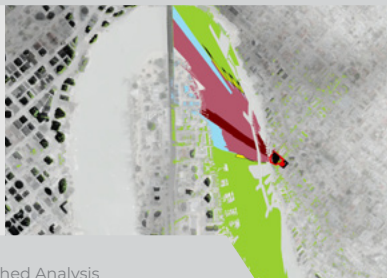
Ata's research is informed by practice and is focused on adaptive approaches in landscape planning to improve design and decision-making processes in urban and peri-urban areas. He has developed new methods using GIS to assess visual impacts of building heights in urban environments. His research outputs include creative works and publications in peer-reviewed journals.

Also, Ata is a member of RMIT research team for Climate Resilience Honiara project administered by UN-Habitat and funded by the United Nations Framework Convention on Climate Change Adaptation Fund. He is responsible for GIS analysis, developing nature-based solutions, design and master planning through leading design research studios at RMIT.

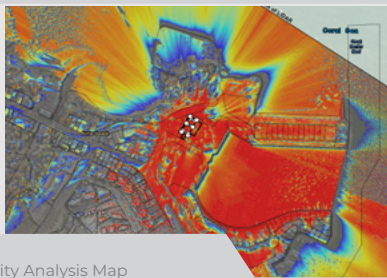
- TARA, A., LAWSON, G., RENATA, A. (Upcoming) Measuring magnitude of change by high-rise buildings in development conflicts in Brisbane, In: Landscape and Urban Planning Journal.
- TARA, A., NINSALAM, Y., TARA, N., MUNI, V. (2020) Designing with Nature-based Solutions to Mitigate Flooding in Mataniko River Catchment, Honiara, In: The Journal of Digital Landscape Architecture (JoDLA);
- TARA, A., THOMAS, N., CHENOWETH, A., McCORMICK, G., DAVIS, A., CHOW, D. (2020) Growing by Place: Identifying Building Height Limits using Skyline Thresholds, In: The Journal of Digital Landscape Architecture (JoDLA);



LiDAR City Model



Viewshed Analysis



Visibility Analysis Map



Skyline Threshold Modelling to Forested Ridgeline



Camera Matching in 3D Software Before Rendering



Camera Matching in 3D Software Before Rendering

- PATUANO, A., TARA, A. (2020) Fractal geometry for Landscape Architecture: Review of methodologies and interpretations In: The Journal of Digital Landscape Architecture (JoDLA);
- TARA, A., BELESKI, P., NINSALAM, Y. (2019) Towards Managing Visual Impacts on Public Spaces: A Quantitative Approach to Study Visual Complexity and Enclosure Using Visual Bowl and Fractal Dimension in 3D, In: The Journal of Digital Landscape Architecture (JoDLA), 4, 21 - 32
- TARA, A. NINSALAM, Y. ANDERSON, C. (2018) Interrogating Urban Renewal Scenarios using Skyline Analysis in Fishermans Bend, Melbourne, In: The Journal of Digital Landscape Architecture (JoDLA), 3, 2-11
- TARA, A (2017) Measuring visual attributes for assessing visual conflicts in urban environments. PhD thesis, Queensland University of Technology
- TARA, A., LAWSON, G. (2015). Visual openness in urban environments: Measuring visual openness and visibility to natural landscapes in a changing urban landscape in Gold Coast, Australia In: The International Journal of the Constructed Environment, 6, 25 - 40.

Previous Employments

- | | |
|-------------------|--|
| 2017-2018 | Tract Consultants (Melbourne)
Senior Landscape Planner |
| 2015- 2017 | MODE Design (Brisbane & Melbourne)
Senior Landscape Architect |
| 2011- 2015 | Cardno Chenoweth Environment (Brisbane)
Senior Landscape Planner |
| 2008-2011 | Cardno S.P.L.A.T. (Gold Coast & Brisbane)
Project Landscape Architect |