

Stanford



Eva Bianchi

Postdoctoral Scholar, Civil and Environmental Engineering

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , CEE-PHD (2025)
- MSc, University College London , Engineering for International Development (2018)
- BEng, University College London , Civil, Environmental and Geomatic Engineering (2017)

STANFORD ADVISORS

- Sarah Billington, Postdoctoral Faculty Sponsor
- Rishee Jain, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **How much nature do we need? An exploration of dose-response relationships between indoor nature dose and building occupant well-being** *SUSTAINABLE CITIES AND SOCIETY*
Bianchi, E., Billington, S. L.
2025; 134
- **Nature view potential: Evaluating building occupant connection to nature** *JOURNAL OF BUILDING ENGINEERING*
Bianchi, E., Billington, S. L.
2025; 103
- **Nature, Buildings, and Humans: Residents' Perceptions of Well-Being in Permanent Supportive Housing** *ENVIRONMENT AND BEHAVIOR*
Bianchi, E., Correa, M. C., Eichstaedt, J. C., Billington, S. L.
2024
- **Exploring the Connections Between Nature Exposure and Stress During COVID-19 Using Latent Profile Analysis** *ECOPSYCHOLOGY*
Bianchi, E., Bloomfield, L. S. P., Altaf, B., Sawe, A., Murnane, E. L., Billington, S. L.
2024
- **Effects of architectural interventions on psychological, cognitive, social, and pro-environmental aspects of occupant well-being: Results from an immersive online study** *BUILDING AND ENVIRONMENT*
Bianchi, E., Bencharit, L., Murnane, E. L., Altaf, B., Douglas, I. P., Landay, J. A., Billington, S. L.
2024; 253
- **Using Computer Vision and Parametric Design Software to Quantify Nature Dose in Indoor Built Environments**
Bianchi, E., Tavakoli, A., Billington, S. L.
edited by Turkan, Y., Louis, J., Leite, F., Ergan, S.
AMER SOC CIVIL ENGINEERS.2024: 93-101

- **Leveraging Immersive Virtual Environments for Occupant Well-Being Analysis**

Altaf, B., Tavakoli, A., Bianchi, E., Landay, J., Billington, S. L.

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AMER SOC CIVIL ENGINEERS.2024: 85-92

- **A study of the role of indoor nature on solidarity and group identity during remote work** *BUILDING AND ENVIRONMENT*

Bianchi, E., Bloomfield, L. S. P., Bencharit, L. Z., Altaf, B., Sawe, N. A., Murnane, E. L., Landay, J. A., Billington, S. L.

2023; 245

- **Poster Abstract: Human Wellbeing Responses to Real and Simulated Workplaces**

Bianchi, E., Altaf, B., Tavakoli, A., Douglas, I. P., Landay, J. A., Billington, S. L., ACM

ASSOC COMPUTING MACHINERY.2022: 299-300

- **Use of Crowdsourced Online Surveys to Study the Impact of Architectural and Design Choices on Wellbeing** *Frontiers in Sustainable Cities*

Altaf, B., Bianchi, E., Douglas, I. P., Douglas, K., Byers, B., Paredes, P. E., Ardoin, N. M., Markus, H. R., Murnane, E. L., Bencharit, L. Z., Landay, J. A., Billington, S. L.

2022: 19

- **Evaluating the risk to Bangladeshi coastal infrastructure from tropical cyclones under climate change** *INTERNATIONAL JOURNAL OF DISASTER RISK REDUCTION*

Bianchi, E., Malki-Epshtein, L.

2021; 57