

# ENRICA OLIVA

45-42 11<sup>th</sup> Street, Long Island City NY 11101 | [eoliva@pratt.edu](mailto:eoliva@pratt.edu) | 646.417.0851

## Practice *(refer to separate professional resume for additional information)*

### Werner Sobek New York Corp., Partner & COO 2016 - 2024.

- Partner & COO, since 2017
  - Director of Structures Group, since 2016
- Notable projects: IIT Innovation Center in Chicago, IL (completed); Central West End Station Renovation in St. Louis, MO (completed); NHMAD Exhibition (under construction); Cultural center Education City in Doha, Qatar (completed); FIT New Academic Building in NY (under construction); Harlem Meer Center in Central Park, NY - Renovation and Expansion (under construction)

### Thornton Tomasetti, Inc. Project Manager. 2007 - 2015.

- Project Manager, 2013-2015
  - Senior Engineer, 2009-2013
  - Engineer, 2007-2009
- Notable projects: Barclays Center Arena in Brooklyn, NY (completed); "The Smile" at 146<sup>th</sup> street, Harlem, NY (completed); Hudson Yards Tower A (completed); Ridge Hill Shopping Center, NY (completed)

## Education

- Columbia University in the City of New York, M.Sc. Structural Engineering, Graduated 2007 (GPA 3.97).
- University of Cassino (Italy), M.Sc. Structural Eng. (Summa Cum Laude), Graduated 2006.
- University of Cassino (Italy), B.Sc. Civil Eng. (Summa Cum Laude), Graduated 2004.

## Teaching *(refer to separate "evidence of teaching performance" packet for additional information)*

### Pratt Institute School of Architecture (Undergraduate)

- Adjunct Faculty for ARCH-131 "Technics".  
Fall 2017, Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023
- Course Coordinator for ARCH-131 "Technics".  
Fall 2021, Fall 2022, Fall 2023
- Adjunct Faculty (Structural Consultant) for ARCH-301 "Comprehensive Design Studio I"  
Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022, Fall 2023, Fall 2024
- Adjunct Faculty (Structural Consultant) for ARCH-302 "Comprehensive Design Studio II"  
Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring, 2022, Spring 2023, Spring 2024, Spring 2025
- ARCH 581A.44 & .21 "Archi-Neering" (Elective)  
Fall 2024, Spring 2025

### Columbia University GSAPP

- Adjunct Faculty for AT4 "Integrated Building Systems"  
Fall 2016, Fall 2017, Fall 2018
- Structural Consultant for "Roving Engineers Program" (Advanced Design Studios)  
Fall 2016, Fall 2017, Fall 2018

### Iowa State University School of Architecture

- Structural Consultant, Fall 2018

### Syracuse University School of Architecture

- Structural Consultant, Spring 2022, Spring 2023, Spring 2024, Spring 2025

## Critic

- Jury Panels at the following Institutions and Universities: Columbia University GSAPP, Pratt Institute, Iowa State University School of Architecture

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- Juror at “Metals in Construction Competition” organized by the Steel Institute of New York and The Ornamental Metal Institute of New York (2020, 2021 and 2023)
- Presenter and Panelist at “Action: New Ecological Prototypes” Event at AIA Center for Architecture, September 6<sup>th</sup>, 2018

## Publications

- “Orbit Tower, proposal for a hybrid structural-facade system featuring a self-adaptive solar shading device” (co-author and presenter, 2018) [electronic, peer-reviewed publication]
- “Adaptive facades, towards responsive building structures and envelopes” (co-author, 2018) [electronic, peer-reviewed publication]
- “The Active Adaptive Façade - Advanced and energy-harvesting envelope technologies” (*Expert Contributor*) <https://continuingeducation.bnppmedia.com/pdf/courses/L352C3277.pdf> [electronic publication, invited]
- "Glass engineering beyond buildings: C-010106 by Sarah Oppenheimer" (Challenging Glass, 2024)
- "Facade design beyond buildings: Case studies of facade design workflows applied to artworks" (Facade Tectonics, 2024)

## Awards

- Rising Star in Structural Engineering Award (Top 13 structural engineers in the US under 40) (2018)
- Awardee of one of three national Scholarships by H2CU (“Honors Center of Italian Universities”) sponsoring M.Sc. Program at Columbia University in the City of New York (2006)

## Speaking Engagements

- Perspective USA, New York “The rules revisited” June 27<sup>th</sup>, 2016
- “The Electric City” at NESEA Building Energy Boston, March 8<sup>th</sup>, 2017
- Michigan State University, Iowa State University, Illinois State University, Northwestern University: “The Electric City”, October 23-26, 2017 (part of the “Energy Efficiency Innovation” Event, sponsored by the German American Chamber of Commerce) <https://bec-iowa.org/energy-efficiency-innovation-seminar-on-smart-buildings/>
- “Orbit Tower, proposal for a hybrid structural-facade system featuring a self-adaptive solar shading device” at Façade Tectonics World Congress, March 2018
- Iowa State University, School of Architecture “Dissolving Boundaries between Engineering and Architecture”, October 22<sup>nd</sup>, 2018 <https://www.youtube.com/watch?v=CN1natx64Q4>
- Perspective USA, New York “Urban Mining and Recycling” July 18<sup>th</sup>, 2018
- “Action: New Ecological Prototypes” AIA Event at Center for Architecture: “Urban Mining and Recycling” September 6<sup>th</sup>, 2018 <https://calendar.aiany.org/2018/09/06/action-new-ecological-prototypes/>
- “Textile Facades: Innovation and Research” at Facades+ Seattle, December 7<sup>th</sup>, 2018
- Staten Island “Healthy Housing” Event, April 16<sup>th</sup>, 2019
- “Faculty Expanded Practices” Event, Pratt School of Architecture April 16<sup>th</sup>, 2020 <https://www.bestarchitecturemasters.com/events/pratt-institute-soa-faculty-expanded-practices-presentations/>
- “Reimagining the Skins of New York”, ZAK World of Facades, July 31<sup>st</sup>, 2020 <https://zakworldoffacades.com/speaker/enrica-oliva/>
- “Non Nobis: Why it is time to act” at NESEA Building Energy Boston, February 15<sup>th</sup>, 2022 <https://nesea.org/workshop/energy-efficiency-buildings-made-in-germany>
- Keynote Speaker at AIA Iowa, “[ir]reversible”, Spring 2022 Conference <https://www.facebook.com/AIAIowa/posts/meet-our-keynote-enrica-oliva-enrica-olivass-experience-on-the-us-market-started-5604666746215752/>  
<https://www.aiaiowaevents.org/springconference2022>