

# MASONRY EDUCATION DAY

APRIL 3, 2018

FULL DAY EVENT • RESTORATION & NEW CONSTRUCTION PROGRAMS • EARN EDUCATION CREDITS

DESMOND HOTEL • ALBANY, NY



**THE RIGHT TRAINING MAKES ALL THE DIFFERENCE:** Upstate Masonry Institute wants to make a real impact, bring awareness and educate our industry professionals in the use of masonry materials in design and building. This two track series education day is designed to alleviate any masonry questions in both the masonry restoration and masonry new construction fields.

## FULL DAY AGENDA

7:30: Registration & Continental Breakfast

8:45: Welcome

9:00 – 10:00: (1 AIA / 1 PDH Credit)

**Restoration: Roy J. Ingraffia, Jr.**, Assoc. AIA, MS, CSI, PA AIC  
*Historic Brick Masonry Restoration*

**New Construction: Jamie Davis**, P.E., LEED AP  
*BIM-M, Building Information Modeling for Masonry*

10:00 – 10:20: Break

10:30– 11:30: (1 AIA / 1 PDH Credit)

**Restoration: Scott Lupini / Mark Thaler** AIA, NCARB  
*Assessment and Restoration of Historic Masonry*

**New Construction: Jeremy Douglas**, CSI, CCPR  
*Thermally efficient masonry attachments*

11:45 – 12:15:

**Keynote Speaker – Congressman Paul Tonko**

12:15 – 1:00: Lunch

1:10 – 2:10: (1 AIA / 1 PDH Credit)

**Restoration: Don Friedman** PE F.APT F.ASCE  
*Structural evaluation and repair of archaic masonry*

**New Construction:**

**Roger Hubeli**- SIA, dipl. Arch. ETH Zürich, Asst. Professor, Syracuse Architecture

**Julie Larsen**- Assoc. AIA NY Asst. Professor, Syracuse Architecture

*Syracuse Habitat For Humanity Masonry Case Study*

2:25– 3:25: (1 AIA/ 1PDH Credit)

**Panel Discussion – all presenters to be on panel**

\*Program subject to change without notice\*

**SPECIAL GUEST**  
**Keynote Speaker**  
**Congressman**  
**Paul Tonko**

### EVENT DETAILS

April 3, 2018

The Desmond Hotel

660 Albany Shaker Road

Albany, NY 12211

Cost: \$100.00

Full Time Students: \$60.00

### OVERNIGHT ACCOMODATIONS AVAILABLE

Special Room Rate: \$139.00

[Click here for accommodations](#)

**MUST RSVP TO ATTEND**

**TO RSVP GO TO:**

**[WWW.MASONRYNETWORK.ORG](http://WWW.MASONRYNETWORK.ORG)**

**REGISTRATION FORM ONLY**

**CALL: 518-640-2530**

QUESTIONS: CONTACT AMANDA BEDIAN • (518) 640-2530 • AMANDAB@MASONRYNETWORK.ORG

# Industry Professional Biographies



## **Roy J. Ingrassia, Jr., Assoc. AIA, MS, CSI, PA AIC**

### *International Masonry Institute*

Roy is an Associate of the American Institute of Architects (AIA) and a Professional Associate of the American Institute for Conservation of Historic and Artistic Works (AIC).

He is an Architectural Conservator with experience in design and contracting capacities and his professional work has primarily focused on the preservation of historic masonry structures through research of traditional materials/methods and development of contemporary restoration techniques. In addition to his work with IMI, Roy teaches the Masonry Conservation Seminar within the Graduate Program in Historic Preservation at the University of Pennsylvania and currently chairs the board of the Association for Preservation Technology- Delaware Valley Chapter.

## **Jamie L. Davis, P.E., LEED AP**

### *RYAN BIGGS | CLARK DAVIS*

### *ENGINEERING & SURVEYING, D.P.C.*

Ms. Davis is Principal of Ryan Biggs | Clark Davis Engineering & Surveying, a 40-person consulting firm specializing in structural and civil engineering and surveying. She manages the Finger Lakes Office in Skaneateles Falls, New York. With the firm since 1988, she is a graduate of The Pennsylvania State University. Jamie has provided the structural design of educational facilities, medical buildings, industrial facilities, corporate office buildings, and masonry repair projects. Ms. Davis is a member of the American Society of Civil Engineers in which she has served as President of the Mohawk-Hudson Chapter; the American Concrete Institute; the American Institute of Steel Construction, the Mason Contractors Association of America, and The Masonry Society. Jamie is an affiliate member of The Masonry Society (TMS) Board and is Chair of the BIM-M Committee for TMS, part of the BIM-M Initiative. The BIM-M Initiative is focused on promoting BIM within the masonry industry. Ms. Davis lectures frequently on masonry topics. Jamie is a LEED-accredited professional and is licensed in New York and Connecticut.

## **Scott Lupini, Owner**

### *Lupini Construction*

Scott Lupini has been in the masonry preservation business for over 34 years. Scott began working for the founders of the company, Max and Betty Lupini, starting as a laborer and working his way up to co-owner in 1999.

Scott serves as a liaison for the International Bricklayers Apprenticeship Program and is also on the Board of Directors for Local Chapters of the Builders Exchanges and SWRI (Sealant Waterproofing and Restoration Institute, as well as being a member of the Upstate Masonry Institute and MCAA (Masonry Contractors Association of America).

Scott, along with his sister Lori, have built their family's masonry restoration business from 30 craftworkers to over 125 craftworkers in 2017.

Scott is very active in all aspects of masonry preservation which includes project management; consulting with Owners and Designers; designing of work scopes; implementing repair programs; implementing company safety programs; implementing company quality control programs and performing programs/presentations on masonry preservation.

Scott, over the course of his career, has been privileged to work with many customers such as West Point Military Academy, Hamilton College, Colgate University, University of Rochester, State of New York OGS, numerous Catholic Dioceses and other religious groups, State of New York Dormitory Authority, Federal Government, U.S. National Park Services and many local and state authorities.

## **Mark Thaler AIA, NCARB**

### *Lacey Thaler Reilly Wilson Architecture & Preservation, LLP*

As a nationally recognized expert in Historic Preservation, Mark has been responsible for the renovation and restoration of some of our nation's most significant landmarks, including buildings at Ellis Island, Valley Forge, the Washington State Capitol, and numerous colleges and universities across the country. His collaborative working style enables holistic solutions that incorporate the best of what our past has to offer.

## **Jeremy Douglas, CSI, CCPR**

### *Hohmann & Barnard*

Director of Architectural Services at Hohmann & Barnard, where he has operated as the primary technical resource to the Building Envelope Design community for nearly 20 years. In this role he works with Architects, Structural Engineers, and Building Envelope Consultants as an educational resource and is also a national speaker and writer on the subject of high-performance masonry wall design. Jeremy currently serves as a Director on the New York City CSI Chapter Board and actively works on the Veneer and the Reinforcing / Connectors sub-committees for The Masonry Society's TMS-402 code council.

## **Don Friedman PE F.APT F.ASCE**

### *Old Structures Engineering PC*

Donald Friedman is president of Old Structures Engineering, PC, a structural engineering consulting firm for historic and old buildings, working for owners, preservation consultants, architects, contractors, and other engineers. A professional engineer with over 25 years of experience in the investigation, analysis, and restoration of landmark buildings, Mr. Friedman holds a B.S. in Civil Engineering from Rensselaer Polytechnic Institute, an M.A. in Historical Studies from the New School for Social Research, and is a licensed engineer in New York, New Jersey, Pennsylvania, Connecticut, Vermont, Rhode Island, and Massachusetts. He is certified in the practice of structural engineering by the Structural Engineering Certification Board, and is a Fellow of the Association for Preservation Technology and the American Society of Civil Engineers. Mr. Friedman's design experience includes the integration of modern construction into existing buildings with archaic and obsolete structural systems; repair and restoration of steel, masonry, iron, wood, and concrete structures; and the investigation of historic buildings to determine structural type and condition. Representative projects include structural analysis of repair techniques at the 1846-1974 Fort Jefferson National Monument

in the Gulf of Mexico; structural design of repairs to the crypts at the landmark New York Marble Cemetery; investigation and alteration feasibility study of Castle Clinton, the landmarked 1810 fort in New York; structural condition assessment of the landmark 1848 John Street Methodist Church in New York; facade analysis and design of new terra cotta supports for the 1906 Langham Apartments in New York; and frame

analysis and alterations to the 1896 Gerken building in New York. In addition to Mr. Friedman's project work, he has taught engineering of historic buildings in the building conservation programs at the Rensselaer Polytechnic Institute and the University of Massachusetts at Amherst; he has spoken at numerous conferences on such topics as the structural analysis of masonry facades, and the failure of obsolete

structural forms; he is the author of After 9-11: An Engineer's Work at the World Trade Center, Historical Building Construction, and The Investigation of Buildings, and the co-author of Building the Empire State and The Design of Renovations. Refereed papers include "Methodology of Conservation Engineering," "Cast-Iron Columns in Renovation Design," "Hidden Intricacies: The Development of Modern Building Skeletons,"

and "Ambiguity in Building Investigation."

## **Roger Hubeli dipl. Arch ETHZ/SIA**

### *Assistant Professor, Syracuse Architecture*

### *Teaches Design Introduction for Graduate Students,*

### *Seminars on the Tectonic of Concrete*

### *Member Swiss Society of Engineers and Architects (SIA)*

### *dipl. Arch. ETH Zürich (Masters)*

## **Julie Larsen Assoc. AIA NY**

### *Assistant Professor, Syracuse Architecture*

### *Teaches Design at the Graduate and Undergradu-*

### *ate Level, Seminars on Crafting the Digital*

### *M. Arch. Columbia University, Assoc. AIA NY*

Assistant Professor Roger Hubeli and Julie Larsen are co-founders of Aptum, an award-winning design practice that focuses on material research and its influence on architecture. Their most recent research, teaching, and professional design work revolves around the notion of digital fabrication and tectonics and their potential to mediate between architecture, systems and ecologies. They are in an ongoing collaboration with CEMEX Global R&D in Biel, Switzerland. The collaboration is based on using advanced concrete technology as a catalyst for design innovation. Among others, they are working on a project, entitled Rhizolith Island, that uses high strength and floatable concrete for a coastal infrastructure project that protects shorelines and helps to restore mangrove forests. They team recently won an AIA NY Chapter Project Merit Award for the project. The team of architects, material engineers and coastal engineers are working on the first pilot project located along the coast of Cartagena, Colombia. Other projects include a mobile pavilion, entitled Thinness, that showcases contemporary concrete's capacity to be ultra thin, light, and extremely strong. The pavilion was exhibited in the fall at the CCA in San Francisco as part of the 'Designing Material Innovation' exhibition and symposium.

In addition to their work with CEMEX, Julie Larsen and Roger Hubeli are also working together with the concrete block industry and the Upstate New York MCAA (Mason Contractors Association of America) to explore potentials for CMU to be a more proliferate load bearing construction method in the residential market. The catalysts for this research are two Habitat for Humanity houses that are currently under construction in Syracuse, NY. The aim of the research is to demonstrate how to use low tech solutions for affordable housing that can be energy efficient, long lasting, and durable with the use of CMU block that can lead to more sustainable construction practices, better quality material choices, and new volunteer labor and apprentice collaborations for affordable residential home building.