

EMMANOUIL VERMISSO B.Sc Dipl.Arch M.Arch TCG

School of Architecture, College for Design and Social Inquiry, Florida Atlantic University
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EDUCATION**Master of Architecture II (research) - 2005**

Syracuse University, NY, USA (GPA: 3.4/4)

Diploma of Architecture - 2001

University of Westminster, London, UK (RIBA Part 2)

B.Sc (Hons) Architecture - 2000

Robert Gordon University, Aberdeen, UK

Professional Registration

Registered Architect, Technical Chambers of Greece, Athens 2008

TEACHING EXPERIENCE

Tenure-track Assistant Professor (2008 – present) Florida Atlantic University, School of Architecture

Teaching:

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| ARC2304 | Architectural Design 4 (spring 2011) |
| ARC3321 | Architectural Design 6 (summer 2011) |
| ARC4326 | Architectural Design 7 (fall 2008, fall 2009, fall 2010, fall 2011, fall 2012) |
| ARC4327 | Architectural Design 8 (spring 2009, spring 2010) |
| ARC5328 | Advanced Architectural Design 1 (fall 2012) |
| ARC5352 | Comprehensive Design Project (spring 2012) |
| ARC4507 | Dynamic Design Methods (spring 2011, fall 2011) |
| ARC4181 | Digital Fabrication (fall '08, summer '09, fall '10, spring '10, fall '11, summer '11) |
| ARC4930.002 | Bio-prototypes (summer 2010, spring 2012) |
| ARC4930.004 | Biomorphic Design (spring 2009) |
| ARC4907 | Directed Independent Study (various semesters) |
| | - <i>Morphallaxis Project</i> [research in biomorphic design and fabrication] |
| | - <i>Technology Display case</i> [furniture project, by invitation from Dr. P. Bebeko, Dr. A. Fernandez, et al.] |
| | - <i>Robo-Jelly</i> [installation in biomorphic design and fabrication] |
| | - <i>The Fibrous Structure Machine</i> [research in biomimetic concepts and kinetic devices] |

Invited Guest Critic (June 2012) - Bartlett School of Architecture, UCL, London

Body Design & Prototyping consultant - FAU Owls Racing Team - Formula SAE Michigan 2011, 2012 Competition

Invited Guest Critic (December 2007) - Syracuse University, London program

Final design reviews of 4th year/graduate (urban-related projects, Brick Lane, East London)

Design Teaching Assistant (Fall 2004) - Syracuse University, NY, USA

Architectural Design 1 (with Prof. S. Ruff) - design tutorials and juries, contribution to the formulation of first year curriculum & final grading.

TALKS & LECTURES

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| 2012 | ACADIA '12 - California College of the Arts, USA (forthcoming) |
| 2012 | Teaching with Technology Showcase Lecture , <i>Form follows inFORMation</i> - FAU, FL, USA (forthcoming) |
| 2011 | ACSA Teachers Seminar '11 - Parsons the New School for Design, New York, USA |
| 2011 | ACM SIGCHI Tangible, Embedded and Embodied Interaction '11 - Funchal, Madeira (WIP workshop) |
| 2009 | Critical Digital '09 - Harvard GSD, USA (session: Digital Condition) |
| 2008 | Introspection Lecture Series , <i>Nature within Architecture</i> - Fort Lauderdale Museum of Art, FL, USA |
| 2008 | ACADIA '08 - University of Minnesota, USA (Generative Design Strategies for Complex Geometry Session) |
| 2008 | eCAADe '08 - The Higher Institute of Architectural Sciences, Antwerp, Belgium (session: Shape Studies) |
| 2008 | Critical Digital '08 - Harvard GSD, USA (session: Process in Practice) |
| 2007 | eCAADe '07 - Frankfurt University of Applied Sciences, Germany (session: Design Methodology) |
| 2006 | Design Computing & Cognition '06 - T.U. Eindhoven, Netherlands (Poster Session) |
| 2004 | Design Computing & Cognition '04 - MIT, USA (panelist: Theory, Methodology & Techniques workshop) |

RESEARCH PAPERS

Peer-reviewed Journals

- 2012 'The Fabrication of Fabrication: a second order design process.'
International Journal of Architectural Computing, Special Issue: Architectural Robotics (peer reviewed)
- 2011 'Design Economies of Surface: can Architects learn from the manufacturing process of industry-driven projects like auto-cross racing?'
International Journal of Architectural Computing, Special Issue: Design Economies - The Collaborative Impact (peer reviewed)

Peer-reviewed Conference Proceedings

- 2012 'Conditioning Elegance: a Design experiment on Intuition and Analysis', ACADIA 2012 Proceedings (San Francisco, CA)
- 2011 'Cross-disciplinary prototyping: Pedagogical frameworks for integrating biological analogies into design courses', ACADIA '11 Proceedings (Calgary, CA)
- 2011 'A case-study in cross-disciplinary student work: a CNC-manufactured body for FSAE racing', 2011 ACSA Teachers Seminar Proceedings (NY)
- 2011 'Design factors which enhance user perception within simple Lego® - driven kinetic devices', TEI 2011 work-in-progress workshop Proceedings (Funchal, Portugal)
- 2009 'Modernist and Digital Design: Parallel Heresies? Their avant-garde perception of the inhabited vertical partition and their relationships to the Baroque', SIGraDi 2009 Proceedings (São Paulo, Brasil)
- 2008 'Seeking an inherent historicism in digital Design: Who Care(d)? Tracing an archaeology of Digitality within the shifting paradigms in architectural history ', Critical Digital 2008 Proceedings, pp.85-93, (Cambridge, MA)
- 2008 'Using formal & behavioral patterns in nature to evaluate the design of bio-inspired structural shapes: The case of a canopy for a south-east Asian masterplan', ACADIA '08 Proceedings, pp.110-117 (Minneapolis, MN)
- 2008 'Digitality controlled: Paradox or necessity? The emergent need for a codification of design rules within digital design methodologies, with references to Classical Architecture and the work of Claude Perrault and Gaudi', Critical Digital 2008 Proceedings (Cambridge, MA), eCAADe 2008 Proceedings (Antwerp) *(also published in Russian)*
- 2007 'The Dancing Curve: An emerging paradigm in cross-stylistic discourse' eCAADe 2007 Conference Proceedings, pp.473-481 (Frankfurt)
- 2006 'Building in Paper' (September '06, with Tyler Hinckley & Christian Callaghan), Digital Fabrication: 22nd Int'l Conference on Digital Printing Technologies Proceedings, pp.90-93 (Denver, CO)

Other publications

- 2012 'The Fibrous Structure Machine: A generative process towards Form-finding', ACSA 100/ Project (Boston, MA)
- 2011 'Morphallactic Formations: A process towards Structural Form', CAAD Futures 2011/ Poster (Liège, Belgium)
- 2008 'УПРАВЛЯЕМОЕ «ЦИФРОВОЕ ПРЕДСТАВЛЕНИЕ»: ПАРАДОКС ИЛИ ПОТРЕБНОСТЬ? Неожиданно появившаяся необходимость кодификации проектных правил в пределах методологий цифрового проектирования, со ссылками на Классическую Архитектуру и работу Клода Перро и Гауди
Moscow Institute of Architecture: AMIT Journal, online Issue 3(4) September '08 (by invitation from the editor)
- 2006 'The Dancing Curves' (July '06), 2nd International Conference on Design Computing & Cognition Poster Proceedings, pp.51-52 (Eindhoven)
- 2004 'Digital thinking as an author of cross-stylistic architectural discourse' (July '04), 1st International Conference on Design Computing & Cognition, Workshop Six proceedings, pp.33-36 (Boston, MA)
- 2004 'Historical consciousness in ArCAADia'
Article published in 'Trace' vol.2, Spring 2004 (Syracuse School of Architecture journal)

Peer-Reviews

- 2012 TEI'2013: Seventh International Conference on Tangible, Embedded & Embodied Interaction (February 10-13, 2013, Barcelona, Spain)
- 2012 SMI'2012: Shape Modeling International Conference (May 22-25, 2012, College Station, TX)
- 2011 TEI'2012: Sixth International Conference on Tangible, Embedded & Embodied Interaction (February 19-22, 2012, Kingston, ON)
- 2010 ACSA: 99th Annual Meeting: *Where Do You Stand*, Paper session: "Between the Analog and the Digital", (March 3-6, 2011, Montréal, CA)

PROFESSIONAL EXPERIENCE

Emmanouil Vermisso, Architect

- 2008 Preliminary Design for a private residence in Anavissos, Greece (2008)
- 2005 Design proposal for Officers' Bar at the Hellenic Air-Force military compound, N. Makri, Greece (2005)

Allford Hall Monaghan Morris, London

Assistant Architect (Part 2), (04/2007 - 05/2008)

Jumeirah Garden City, Dubai: Residential development*Olympic Masterplan, Stratford, London:* Design of Olympic and 'legacy' phase for the 2012 Olympics' Village.*Skanska Modernahus Housing, UK:* Stage C & D (Design Development, Cladding Studies, Material selection)
Prototypical, low-cost sustainable housing solutions.**Foster + Partners, London**

Assistant Architect (Part 2), (04/2006 - 04/2007)

Al Raha Beach, Dubai: Concept & Scheme Design: worked on preliminary cladding options - louvers that respond to ambient solar exposure; helped co-ordinate the Core package; preparation of Concept Report.*Sky Palaces & Hotel in Business Bay, Dubai:* Concept & Scheme Design in Hotel team: worked on the design concept for a hotel and the development of 3-dimensional structural options in conjunction with project architect and engineering consultants; individually prepared preliminary cladding studies for shading single-aspect hotel façade; produced design options for restaurant & Bar on top of the hotel; prepared series of models for hotel & palace options.*Botanical Gardens, Singapore:* (Competition) developed and tested 3-dimensional concepts for pedestrian bridge skin and greenhouse enclosures through modeling and 3-d printing.*Harry's Island masterplan, Singapore:* (Competition) consideration of canopy integration into the overall master-plan; individual development of organically informed designs for outdoor canopies in 3D through consultation with project architect and structural team (Arup) in Rhino & Microstation (published work).**Hellenic Air-Force, Greece** (02/2005 - 11/2005)

Military service as Reserve Sergeant in N. Makri, Greece.

Stefan Zins Associates Ltd, London

Assistant Architect (Part 2), (09/2002 - 07/2003)

Various residential projects and feasibility studies (London & south of England)

Porphyrios Associates, London

Assistant Architect (Part 2), (09/2001 - 06/2002)

King's Cross master-plan (London), FAY Hotel (Frankfurt - Germany), Private Residence (Spetses - Greece), Courthouse competition (Jacksonville, USA)

Elias Skroumbelos & Associates Ltd, Athens

Intern (09/1998 - 07/1999)

Rhodes airport extension (Greece); Concept design for cinema complex (Athens - Greece)

HONORS, AWARDS & EXHIBITIONS

2012 Smart Geometry workshop partial tuition waver, Smart Geometry 2012

2011 'FAU Biennial Faculty Exhibition' - *Vessel of Consilience* installation (Sep '17 - Nov '12, Boca Raton, FL)2010 'Fabricating Interaction' exhibition curator (Sep 10-24, 2nd Avenue Studio, Fort Lauderdale, FL)2009 'FAU Biennial Faculty Exhibition' - *Building in Paper* installation (Nov '09 - Jan '10, Boca Raton, FL)

2006 Foster + Partners Graduate Show exhibitor (2006 - London)

2004 Design Teaching Assistantship (fall semester - Syracuse School of Architecture)

2003 Teaching Assistantship (spring semester - Syracuse School of Architecture)

2004 Phi Beta Delta (ΦΒΔ) International Honor Society (Syracuse University)

DIGITAL EXPERTISE

CAD & digital imaging: Microstation, AutoCAD, Vectorworks, Adobe Suite CS

3D Modeling & Analysis: Rhino, Microstation, Form Z, Sketchup, Scan & Solve

Parametric Design: Grasshopper, Paracloud

CAM Simulation: RhinoCAM, Visual Mill

CNC Fabrication: Laser-cutting, CNC-milling (3-axis), 3D printing

SPECIALIST DIGITAL TRAINING

2012 Smart Geometry: Material Intensities - workshop on smart materials (RPI, NY)

2011 'Hack your Seeeduino Film' - workshop on flexible printed circuits, TEI'11 conference (Funchal, Portugal)

2008 'Arduino & Processing' - workshop on micro-controllers, ACADIA'09 conference (SAIC, Chicago)

CONFERENCES (selected)

ACADIA ('04,'08,'09,'12), ACSA Teacher Seminar ('11), CAAD Futures ('11), Critical Digital ('08,'09), Design Computing & Cognition ('04,'06), eCAADe ('07,'08), ACM SIGCHI TEI ('11), Palm Beach Strategic Forum ('11)

LANGUAGE SKILLS

Fluent in English, French and Greek (speaking, reading and writing), Basic Italian & Russian

PROFESSIONAL AFFILIATIONS & INTERESTS

Research Societies memberships: **ACADIA**, **eCAADe**, **SIGraDi**, **ACM SIGCHI**

REFERENCES *(available upon request)*