**UNIVERSITY OF WASHINGTON**

# Interim Progress Report for Year Five

## *Instructions and Template*

November 19, 2019

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    e. Appendix (include revised curricula, syllabi, and one-page CVs or bios of new administrators and faculty members; syllabi should reference which NAAB SPC a course addresses; samples of required student work).

4. Requirements for the Use of Digital Content in Interim Progress Reports

# 1. INSTRUCTIONS AND TEMPLATE GUIDELINES

**Purpose**

Continuing accreditation is subject to the submission of interim progress reports at defined intervals of 2 years and 5 years after an eight-year term of continuing accreditation is approved.

This narrative report, supported by documentation, covers four areas:
1. The program's progress in addressing not-met Conditions and Student Performance Criteria (SPC) from the Interim Progress Report Year 2 review.
2. Progress in Addressing Causes for Concern.
3. Changes or Planned Changes in the Program.
4. Summary of Responses to Changes in the 2014 NAAB Conditions.

**Supporting Documentation**

1. The narrative should describe in detail all changes in the program made in response to not-met Conditions and Student Performance Criteria, including detailed descriptions of changes to the curriculum that have been made in response to not-met SPC that were identified in the review of the Interim Progress Report Year 2. Identify any specific outcomes expected to student performance. Attach new or revised syllabi of required courses that address unmet SPC.
2. Evidence of student work is only required to address deficiencies in the following cases: (1) If there are any SPCs that have not been met for two consecutive visits; (2) If there are three not-met SPCs in the same realm in the last visit.
   Provide three examples of minimum-pass work for each deficiency and submit student work evidence to the NAAB in electronic format. (Refer to the "Guidelines for Submitting Digital Content in IPRs" for the required format and file organization.)
3. Provide information regarding changes in leadership or faculty membership. Identify the anticipated contribution to the program for new hires and include either a narrative biography or one-page CV.
4. Provide additional information that may be of interest to the NAAB team at the next accreditation visit.

**Outcomes**

IPRs are reviewed by a panel of three: one current NAAB director, one former NAAB director, and one experienced team chair.[1] The panel may make one of three recommendations to the Board regarding the interim report:
1. Accept the interim report as having demonstrated satisfactory progress toward addressing deficiencies identified in the report of the Interim Progress Report Year 2.
2. Accept the interim report as having demonstrated progress toward addressing deficiencies but require the program to provide additional information (e.g., examples of actions taken to address deficiencies). This report shall be due within six weeks of the receipt of this outcome report.
3. Reject the interim report as having not demonstrated sufficient progress toward addressing deficiencies and advance the next accreditation sequence by at least one calendar year, thereby shortening the term of accreditation. In such cases, the chief academic officer of the institution will be notified and a copy of the decision sent to the program administrator. A schedule will be determined so that the program has at least six months to prepare an Architecture Program Report. The annual statistical report (see Section 9 of the 2014 Conditions) is still required.

**Deadline and Contacts**

IPRs are due on November 30. They shall be submitted through the NAAB's Annual Report System (ARS). As described in Section 10 of the 2015 NAAB Procedures for Accreditation "…the program will be assessed a fine of $100.00 per calendar day until the IPR is submitted." If the IPR is not received by January 15 the program will automatically receive Outcome 3 described above. Email questions to forum@naab.org.

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[1] The team chair will not have participated in a team during the year in which the original decision on a term of accreditation was made.

**Instructions**

1. Type all responses in the designated text areas.
2. Reports must be submitted as a single PDF following the template format. Pages should be numbered.
3. Reports are limited to 40 pages/20 MBs.
4. Supporting documentation should be included in the body of the report.
5. Remove the #4 "Requirements for the Use of Digital Content in Interim Progress Reports" pages before submitting the interim progress report.

## 2. EXECUTIVE SUMMARY OF THE TWO MOST RECENT NAAB VISITS: 2014 and 2008

**CONDITIONS NOT MET**

| 2014 VTR | 2008 VTR |
|---|---|
| None | None |

**STUDENT PERFORMANCE CRITERIA NOT MET**

| 2014 VTR | 2008 VTR |
|---|---|
| B.2  Accessibility | 13.14   Accessibility |
| B.6  Comprehensive Design | 13.23   Building Systems Integration |

**CAUSES OF CONCERN**

| 2014 VTR | 2008 VTR |
|---|---|
| Student Diversity | Sustainability |
| Studio Documentation & Graphics | Funding |
| Diversity of Project Sites | Facilities |
| Conceptual Design Development | Architectural Education and the Profession |
| Diversity of Design Approaches | Professional Practice |

**3. TEMPLATE**

# Interim Progress Report Year 5
### University of Washington
### Department of Architecture
### M. Arch.
**Track I:  (180 undergraduate quarter-hours credits in Architectural Studies plus 90 graduate quarter hour credits)**

**Track II:  (180 undergraduate quarter-hours credits plus 135 graduate quarter hour credits)**

*Year of the previous visit: 2014*

*Please update contact information as necessary since the last APR was submitted.*

**Chief administrator for the academic unit in which the program is located:**

| | |
|---|---|
| **Name:** | Brian McLaren |
| **Title:** | Associate Professor and Chair |
| **Email Address:** | bmclaren@uw.edu |
| **Physical Address:** | Department of Architecture |
| | University of Washington |
| | 208 Gould Hall |
| | Box 355720 |
| | Seattle, WA  98195-5720 |

**Any questions pertaining to this submission will be directed to the chief administrator for the academic unit in which the program is located.**

**Chief academic officer for the Institution**:

| | |
|---|---|
| **Name:** | Mark Richards |
| **Title:** | Provost |
| **Email Address:** | provost@uw.edu |
| **Physical Address:** | Office of the Provost |
| | University of Washington |
| | 301 Gerberding Hall |
| | Box 351237 |
| | Seattle, WA  98195-1237 |

**I. Progress in Addressing Not-Met Conditions and Student Performance Criteria**

    **a. Progress in Addressing Not-Met Conditions**

        **N/A**

    **b. Progress in Addressing Not-Met Student Performance Criteria**

    <span style="color:red">**University of Washington, 2019 Response:**</span> Satisfied by Two-Year IPR.

**II. Progress in Addressing Causes of Concern**

    <span style="color:red">**University of Washington, 2019 Response**</span>: Satisfied by Two-Year IPR.

**III. Changes or Planned Changes in the Program**
*Please report such changes as the following: faculty retirement/succession planning; administration changes (dean, department chair, provost); changes in enrollment (increases, decreases,  new external pressures); new opportunities for collaboration; changes in financial resources (increases, decreases, external pressures); significant changes in educational approach or philosophy; changes in physical resources (e.g., deferred maintenance, new building planned, cancellation of plans for new building).*

<span style="color:red">**University of Washington, 2019 Response**</span>:

**Faculty Retirements**

    We have had two faculty retirements since the 2014 visit. During the spring of 2016, Professor Sharon Egretta Sutton, FAIA, stepped down from her faculty position to return to New York and continue her research and writing activities on issues of social justice and community design. Beginning with winter quarter 2017 we have had a succession of four visiting faculty appointments focused on issues inspired by Dr. Sutton's interests. These individuals are Donald King, FAIA (winter 2017), Javier Sanchez (spring 2018), Zena Howard, FAIA (winter 2019) and Daniel Glenn (autumn 2019). We plan to continue to bring this issue to our program over the coming years.

    The second faculty retirement was Associate Professor Brian Johnson, who stepped down during the spring of 2018 and has continued to teach at a 40% teaching load. During the 2018-2019 academic year we ran a national search in the area of design computation. After recieving a rich pool of over 50 candidates, we interviewed 3 individuals, eventually hiring Dr. Tomás Méndez Echenagucia, who was doing post-doctoral research at the Bloch Research Group at the ETZ in Zurich, Switzerland. Dr. Méndez Echenagucia joined us this fall quarter 2019 as an assistant professor of digital technologies and computational design. His research focuses on digital design for sustainable construction by means of multi-disciplinary search tools for the early stages of architectural design, including acoustic, structural and environmental design.

**Administrative Changes**

    I became Chair of the Department of Architecture in the Spring of 2015 after former Chair, Dave Miller, FAIA stepped down after more than 8 years in his position. Professor Miller was chair during the 2008 and 2014 accreditation visits. Immediately following my appointment, I remade our administrative team by appointing Associate Professor Rick Mohler as Graduate Program Coordinator and Associate Professor Rob Peña as Undergraduate Program Coordinator. In addition, I increased the hours of our Public Information Specialist, Nancy Dragun and have stabilized the roles of our Graduate Program Advisor, Claudine Manio and Undergraduate Program Advisor, Kim Sawada. Among the support I have provided for our staff is

sending Claudine and Kim to the annual NOMA conference the past 3 years. We have also increased the amount of student support of our publicity and recruitment material by hiring an additional hourly graduate student worker. More recently, during autumn 2018, Associate Professor Peña took over the Graduate Program Coordinator role and Associate Professor Ann Marie Borys, who has been active in NAAB visiting teams, took over the position of Undergraduate Program Coordinator.

Other administrative changes that have impacted the Department of Architecture include the appointment of a new Dean of the College of Built Environments, Renée Cheng, FAIA, who took up the position in January 2019. She brings with her a broad range of experience from her time at the University of Minnesota--which is a great resource for our college as well as the Department of Architecture. In addition, since I will be completing my 5 year term as chair during Spring 2020, I will be stepping down from the position to return to the faculty in June. We are currently in the process of selecting a new chair with an internal search, run through the CBE Dean's Office and chaired by Ken Yocom, Chair of the Department of Landscape Architecture. This process will include the creation of a short list of candidates who will be interviewed in mid-January, with an appointment by the end of winter quarter, 2020. This will give me a chance to provide the new chair with some on-the-job training during spring quarter 2020.

Finally, Mark Richards joined the University of Washington as provost and executive vice president for academic affairs on July 1, 2018. A geophysicist, Richards also holds a faculty appointment in the College of the Environment's Department of Earth and Space Sciences. He came to the University of Washington from the University of California, Berkeley, where he was a professor of Earth and planetary science, and where he previously served as dean of mathematical and physical sciences from 2002 to 2014, and simultaneously as executive dean of the College of Letters and Science from 2006 to 2014.

## Changes in Enrollment

Our enrollment this year in our graduate professional program is down just slightly from our 5 year average. This change is largely due to a drop in international students, which typically forms around 20% of our student body. This drop in inernational enrollment roughly corresponds with a drop in the number of international applicants to our M.Arch program.

## New Opportunities for Collaboration

Over the past three years we have continued a number of our existing collaborations, including an expansion of our relationship with the Scan Design Foundation. This relationship now sponsors the Distinguished Visiting Professor Master Studio Program (now fall quarter each year) and Distinguished Visiting Professor Furniture Master Studio (spring quarter each year). In addition, we have a Scan Design Internship Program, that sponsors 3 students working in firms in Copenhagen, Denmark each spring/summer quarter. We have also conducted three research-based design studios (winter 2017 and 2018 and spring 2019) which involved Perkins + Will's Seattle office as well as their National Director of Research, John Haymaker, to tackle the City of Seattle's pilot of the Living Building Challenge.

These graduate studios have formed a prelude to the research studios that we are running for the first time this coming winter and spring 2020. These research studios are typically combining faculty research interest with expertise in the profession to offer our student a unque culuminating experience for their M.Arch degree. This year's studios include the following: Winter 2020 - The Rise and Fall of Single Family Housing (Associate Professor Rick Mohler with Brad Khouri, b9 architects), and Proto-Timber (Associate Professor Kimo Griggs with Glen Stellmacher of Miller Hull Partnership) and Spring 2020 - Making the Invisible Visible: Designing Infrastructure as Architecture (Professor Dave Miller and Claire Rennhack, Miller Hull Partnership), CITYFOOD: Integrated Building Systems Ecology (Associate Professors Rob Peña and Gundula Proksch), and Barry Onouye Endowed Chair Design Studio in Structural Architecture (Assistant Professor Tyler Sprague and Mitsuhiro Kanada, Arup). Notably, over the past several years, the Onouye Endowed Chair Design Studio has brought in well-known experts in structures, including John

Ochsendorf from MIT (2017), Mark West from Aarhus (2018), and Sigrid Adriaenssens of Princeton University (2019).

Department faculty have also continued to participate in the College of Built Environments sponsored program of interdisciplinary studios. These studios provide faculty and students from the Department of Architecture with the opportunity to work alongside faculty and students of the other four units within our college—Construction Management, Landscape Architecture, Real Estate, and Urban Design and Planning. Those studios expose our students to the collaborative nature of the practice of architecture today. Recent studios have included architecture faculty Kate Simonen (Mid-to Modern: Design of an Eco-District in Bellevue, Washington, autumn 2018), Gundula Proksch (The Right to the City: Design and Experience, winter 2019), Dave Miller (McKinley Futures Studio: Exploring Transformative Urban Futures, spring 2019), and Rick Mohler (The Future of Seattle's Industrial Lands, autumn 2019).

**Changes in Financial Resources**

There have been no significant change in financial resources. Over the past 4 years of my time as chair the Department of Architecture has had a roughly 5-10% carry over from one academic year to the next. Due to the fact that we have an activity-based budgeting system, this means that our faculty have performed beyond expectations in teaching our students in a focused and efficient way. The only minor change is being instituted this academic year, which is that rather than each of the 5 individual departments in the College of Built Environments having their own individual budget allocations, we are instituting a system of having a shared resource pool of funding that each Department can draw upon for college-wide initiatives. At the same time, this new system will leave intact the salary + operations funding of each department and not touch discretionary budgets that come from departmentally generated revenue and alumni and other direct donations.

**Significant Changes in Educational Approach or Philosophy**

While there are no significant changes to our educational approach or philosophy, we are in the final stages of changes to our M.Arch curriculum that are responding to our 2014 Visiting Team Comments and changes in the NAAB Conditions for 2014. Please see the following section for an outline of those changes.

**Changes in physical resources**

The primary change in physical resources is the construction of the new Gould Pavilion, which faces the main atrium space of Gould Hall. The project was designed by the Miller Hull Partnership and opened in January of 2015. It provides the Department and College with a secure formal gallery space on the second level of Gould Hall as well as a flexible classroom area below. This has allowed our Department to host small traveling exhibitions and create our own displays of faculty and student work. Exhibitions in this space have included the display of the Architecture in Mexico Program from Spring 2017 and more recently an exhibition of the work of structural engineer Jack Christiansen, curated by Assistant Professor Tyler Sprague. The space has also been regularly used for our spring visitor's day for prospective students and design reviews for our annual Scan Design furniture studios.

More generally, we have continued to invest in the support infrastructure for our design studios, especially in the area of digital fabrication. Some of these resources include purchasing die cutters as alternatives to laser cutting and installing a robot arm in our fabrication lab. We also continue to maintain and update the laser cutters in our design studios in Architecture Hall and have upgraded the video projection systems throughout the CBE.

**IV. Summary of Responses to Changes in the <u>2014 NAAB Conditions</u>**

<span style="color:red">**University of Washington, 2019 Response**</span>:

As previously noted in our 2 year IPR, we have made changes to the curriculum of our M.Arch program in response to a general philosophical change in the 2014 NAAB conditions. The change in the NAAB conditions asks programs to articulate defining perspectives that are tied to a set of values and principles found in the profession rather than defining themselves relative to organizations within architecture. Those perspectives are collaboration and leadership; design; professional opportunity; stewardship of the environment; and community and social responsibility. Not only do these perspectives allow us to articulate the long-held values of our Department, but also their status as broad influences rather than more focused criteria mirrors our curriculum changes—where issues like collaboration, sustainability and social equity have been addressed throughout the program.

In addition, to the introduction of these defining perspectives, there has been a significant change in the Student Performance Criteria related to the issue of comprehensive design, which is now called integrative design. This new SPC: C3 has changed its terminology from "comprehensive design" to "integrative design," which, in conjunction with eliminating the list of SPC: B6, leads to a broader consideration of these issues. In addition, the wording from the old SPC: B6, "ability to produce a comprehensive project," has been modified to "ability to make design decisions within a complex architectural project while demonstrating broad integration," in the new SPC: C3. As a result, the idea of producing a comprehensive project—where a specified list of SPCs must be addressed in a single building design—has changed to the ability to broadly integrate a range of issues into a complex architectural project. This adjustment in the SPC leads to a broader consideration of these issues. Thus the new SPC is calling for students to have the ability to address the broad integration of various forms of knowledge into design.

**M.Arch Curriculum Change**

In response to this change in perspective in the 2014 NAAB Conditions, we proposed a set of curriculum changes to our Graduate School during the 2016-2017 academic year that were approved on July 25, 2017 and began implementation during autumn 2017. We are now in the third and final year of implementaiton this year, with our revised M.Arch thesis and Research Studios being the two options we offer as culuminating experiences for our students.

The basic principles underlying the change are to intensify the educational experience of our students, clarify the educational structure of the program and facilitate the broad integration of areas of knowledge into the design studio. This has been done by creating a clearer and more focused sequence of studios (see Master of Architecture Curriculum on page 11), beginning with two foundation studios (autumn and winter, year 1) and then proceeding through a sequence of three integration studios (spring year 1, autumn and winter, year 2), a pair of exploration studios (spring 2 and autumn year 3) and culminating with a pair of research studios or a two-quarter sequence of thesis preparation and independent thesis (winter and spring year 3). We believe the resulting structure deals with the limitations of the 10 week quarter system while providing students with a rigorous sequence of studio experiences that better integrates the knowledge acquired in required coursework.

Of particular note in our revised M.Arch curriculum are the core integration courses, which are formed by a 2 quarter sequence of studios and related coursework during the fall and winter quarter of year 2. This sequence, which is taken by all of our M.Arch students, provides the opportunity for "integrative design" as stipulated in the new 2014 SPC: C3. Beyond the change in the studio sequence, we have added a research methods class (taken during the spring of year 2 or autumn of year 3) to better prepare our students for the research studios or thesis as culminating experiences. We have also combined all of our structures and environmental systems classes into what we are calling our Design Technology sequence--which provides a collaborative and integrative teaching and learning environment.

## Master of Architecture Curriculum
## (3-year, 2-year M Arch)
135 credits for 3-year program
90 credits for 2-year (advanced standing) program

| Year 1 | | |
|---|---|---|
| **Autumn** | **Winter** | **Spring** |
| 500 Arch Foundation Studio I (6) | 501 Arch Foundation Studio II (6) | 502 Arch Integration Studio I (6) |
| 510 Representation I (3) | 511 Representation II (3) | 532 Materials & Assemblies I (3) |
| 520 Design Technology I (3) | 521 Design Technology II (3) | 522 Design Technology III (3) |
| 550 History + Theory I (3) | 551 History + Theory II (3) | *Elective* (3) |
| 15 credits | 15 credits | 15 credits |

| Year 2 (students with advanced standing enter here) | | |
|---|---|---|
| **Autumn** | **Winter** | **Spring** |
| 503 Arch Integration Studio II (6) | 504 Arch Integration Studio III (6) | 505 Arch Exploration Studio I (6) |
| 523 Design Technology IV (3) | 524 Design Technology V (3) | 571 Professional Practice (3) *offered spring and autumn* |
| 562 Contemporary Arch Theory (3) | 570 Design Development (3) | 591 Architecture & Landscape (3) |
| 590 Urban & Preservation Issues (3) | *Elective* (3) | 592 Research Methods (3) *offered spring and autumn* |
| 15 credits | 15 credits | 15 credits |

| Year 3 – Research Studio | | |
|---|---|---|
| **Autumn** | **Winter** | **Spring** |
| 506 Arch Exploration Studio II (6) | 507 Arch Research Studio I (6) | 508 Arch Research Studio II (6) |
| *History & Theory Selective* (3) | 593 Research Seminar I (3) | 594 Research Seminar II (3) |
| *Professional Practice Selective* (3) | *Architecture Elective* (3) | *Architecture Elective* (3) |
| *Architecture Elective* (3) | *Elective* (3) | *Elective* (3) |
| 15 credits | 15 credits | 15 credits |

| Year 3 – Independent Thesis | | |
|---|---|---|
| **Autumn** | **Winter** | **Spring** |
| 506 Arch Exploration Studio II (6) | 700 Master's Thesis (6) | 700 Master's Thesis (9) |
| *History & Theory Selective* (3) | 599 Thesis Research Preparation (3) | |
| *Professional Practice Selective* (3) | *Architecture Elective* (3) | *Architecture Elective* (3) |
| *Architecture Elective* (3) | *Elective* (3) | *Elective* (3) |
| 15 credits | 15 credits | 15 credits |

Note:  ARCH 571 & ARCH 592 are sized to take half of the cohort in spring of Year 2 and the other half in autumn of Year 3.  Students planning to pursue the Independent Thesis track are encouraged to take ARCH 592 in spring before Year 3.

**V. Appendix** *(include revised curricula, syllabi, and one-page CVs or bios of new administrators and faculty members; syllabi should reference which NAAB SPC a course addresses. Provide three examples of low-pass student work for SPCs in the following cases--if there are any SPCs that have not been met for two consecutive visits, or If there are three not-met SPCs in the same realm in the last visit--as required in the Instructions.)*

**University of Washington, 2019 update:**

**Appendix A. Low-Pass student work for SPC: B2 – Accessibility.**

We have continued to address the issue of accessibility in our design studios with the support of the parallel support courses. It is worth noting that in the 2014 NAAB Conditions, there has been a change in this specific student performance criteria (B2 - Accessibility), which has merged with the former SPC: B5 – Life Safety, to become SPC: B3 – Codes and regulations. The stated description: "Ability to design sites, facilities, and systems that are responsive to relevant codes and regulations, and include the principles of life safety and accessibility standards" is a broader and more integrated idea of accessibility. We believe this new SPC is close to how we present these issues in the context of our core design studios.

With our new M.Arch curriculum, this SPC is now being addressed in the Arch 504: Architectural Integration Studio III, which is offered each winter quarter. The presentation of issues of accessibility in the studio projects took place in a guest lecture in the parallel Arch 424: Design Technology V course. The lecture on the topic of "Building Circulation and Life Safety" was given by Rob Svetz, who is an architect working for the Department of Construction and Inspections at the City of Seattle and a part time lecturer in the Department of Architecture. As in past years, design studio faculty have taken responsibility for assuring the integration of this material into individual student projects.

As requested, we have attached here 3 student projects from the Arch 504 design studio from winter quarter 2019.

**Appendix B. One Page Bios of new administrators or faculty members**
        Rob Peña, Associate Professor and Graduate Program Coordinator
        Ann Marie Borys, Associate Professor and Undergraduate Program Coordinator
        Tomás Méndez Echenagucia, Assistant Professor

As previously noted, Dr. Méndez Echenagucia joined us this fall quarter 2019 as an assistant professor of digital technologies and computational design. He was hired to replace Associate Professor Brian Johnson, who retired during the spring of 2018. Dr. Méndez Echenagucia's research focuses on digital design for sustainable construction by means of multi-disciplinary search tools for the early stages of architectural design, including acoustic, structural and environmental design.

| | |
|---|---|
| **Name** | Rob Peña |
| **Rank:** | **Associate Professor and Undergraduate Program Coordinator** |
| **Degrees** | Master of Architecture, University of California, Berkeley, 1987 |
| | Bachelor of Science in Architectural Engineering, Structures Major, Honors, University of Colorado, 1981 |
| **Teaching Responsibilities** | Arch 331: Energy and Buildings |
| | Arch 431: Environmental Control Principles |
| | Arch 520-524: Design Technology I - V |
| | Architecture in Rome Program |
| **Main Areas of Research, Practice** | Climate responsive design |
| | Architectural and mechanical systems and daylighting |
| | Sustainability and ecological design |
| | High performance building |
| **Selected Publications & Reports** | Constructing Performance-Based Tools and Practices: Exploring Living Challenge, Mixed-Use, and High-Rise Building Design Spaces. John Haymaker, Chris Meek Devin Kleiner, Rob Peña, Heather Burpee and Weston Norwood. Perkins+Will Research Journal/Vol 10.02. |
| | "Simulation and Performance of Seattle's Bullitt Center." Lead author with Chris Meek and Dylan Davis, in Technology \| Architecture + Design, Issue 1:2 (Fall 2017): 163-173. American Collegiate Schools of Architecture, Washington, D.C. |
| | "Living Proof: Seattle's Net Zero Energy Bullitt Center." Proceedings of the 2014 American Solar Energy Society, National Solar Energy Conference, presented at the InterSolar Conference, San Francisco, CA, July 2014 |
| | "Integrated Design to Achieve Zero Net Energy in an Urban Office Building." Co-authored with Rahman Azari, PhD. Candidate, UW College of Built Environments. Proceedings of the 2012 American Solar Energy Society National Solar Energy Conference, Denver, Colorado, May, 2012 |
| | "Learning from the Solar Decathlon: High Performance Building Design, Operation and Evaluation." Proceedings of the 2008 American Solar Energy Society National Conference, San Diego, California, May, 2008 |
| **Selected Academic Experience** | Associate Professor, University of Washington, 2007-present |
| | Associate Professor, Cal Poly San Luis Obispo, 2002-2007 |
| | Assistant Professor, University of Oregon, 1992-1997 |
| | Assistant Professor, Montana State University, 1989-1992 |
| **Selected Professional Experience** | Van der Ryn Architects, Sausalito, California. Director of Ecological Design Consulting, 1997-2002 |
| | Scovell Architects, Eugene, Oregon and Ketchum, Idaho, Design, 1993-1995 |
| | Esherick, Homsey, Dodge and Davis, San Francisco, California, Architectural Intern, 1991 |
| | Mazria Associates, Inc., Santa Fe, New Mexico, Architectural Intern, 1988-1989 |
| | HKS Engineering, Inc., Santa Fe, New Mexico. EIT/Engineering Intern, 1988 |
| | Krause Engineering, Inc., Santa Fe, New Mexico. EIT/Engineering Intern, 1981-1983 |
| | Solar Energy Research Institute, Golden, Colorado, Research Intern, 1981 |
| **Selected Public Service** | Undergraduate Program Coordinator, University of Washington, 2015-present |
| | Member, Curriculum Committee, 2015-present |
| | Member, Undergraduate Admissions Committee, 2015-present |
| | Chair, Fall Orientation Committee, 2015 |
| | PerFORM Design Competition, Competition Advisor and Juror, 2014-2015 |
| | Environmental Stewardship Committee, Husky Green Award Subcommittee |
| **Awards, Honors & Grants** | The University of Oregon Ersted Award for Distinguished Teaching, June 1997 |
| | AIA Henry Adams Medal for Excellence in the Study of Architecture, University of California, Berkeley, June 1987 |
| | Outstanding Graduate Student Instructor Award, 1985, 1986, and 1987 |
| **Selected Papers & Presentations** | Chongqing University School of Construction Management and Real Estate. Conference on Living Buildings: "Engineering Without Engines: The Case for Un-Plugged, Climate Responsive Buildings. Chongqing, China, March 27, 2019. |
| | Le Moyne University McDevitt Center Lecture: "Our Common Home." Syracuse, New York, November 12, 2018. |
| | Green Building Council South Africa: 11th Green Building Convention 2018. Plenary Address: Creating the Context for Socially Equitable, Environmentally Resilient Communities. Session Presentation: The Bullitt Center and the Economic Case for Deep-Green Buildings. Session Presentation: Community Engagement and Deep-Green Buildings. Cape Town, South Africa, October 3 – 5, 2018. |

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|---|---|
| **Name** | **Ann Marie Borys** |
| **Rank:** | **Associate Professor and Undergraduate Program Coordinator** |
| **Degrees** | Ph.D. in Architecture, University of Pennsylvania, 1998 |
| | Master of Architecture, Syracuse University, 1988 |
| | Bachelor of Architecture, University of Maryland, 1980 |
| **Teaching Responsibilities** | Arch 101: Introduction to Architectural Studies |
| | Arch 151: Appreciation of Architecture II |
| | Arch/CM 404: Integrated Design Studio |
| | Arch 468: Architecture Capstone Preparation |
| | Arch 550: History + Theory I |
| | Arch 571: Professional Practice |
| **Main Areas of Research, Practice** | Practice and the Built Environment |
| | Italian Renaissance Architecture |
| | American Architecture |
| **Selected Publications & Reports** | The 'Minister of Municipalities': Shared Space and Social Fabric in the Work of Caroline Bartlett Crane," in Suffragette City: Gender, Politics, and the Built Environment, edited by Nathaniel Walker and Elizabeth Darling. |
| | "The Sanctuary Wall: Unitarian Rationalism Illuminated," in Modernism and American Mid-Century Sacred Architecture, edited by Anat Geva (New York: Routledge, 2019): 255-74. |
| | Vincenzo Scamozzi and the Chorography of Early Modern Architecture. Aldershot: Ashgate Publishing, 2014. |
| | "Through the Lens—Image and Illusion at Play in an Ideal City," in Architecture as a Performing Art, edited by Marcia Feuerstein and Gray Read (Aldershot: Ashgate, 2013): 97-112. |
| | "Lume di Lume: a Theory of Light and its Effects," Journal of Architectural Education 57/4 (May 2004): 3-9. |
| **Selected Academic Experience** | Associate Professor, University of Washington, 2010-present |
| | Affiliate Associate Professor, University of Washington, 2009-2010 |
| | Adjunct Professor, Department of Art History, University of Illinois at Chicago, 2004-2006 |
| | Associate Professor, School of Architecture and Interior Design, University of Cincinnati, 1999-2004. |
| **Selected Professional Experience** | Principal, Bible Borys Friedman Architects, Cincinnati, OH, 1993-1995 |
| | Project Manager, E. Lynn App Architects, Englewood, OH, 1991. |
| | Project Architect, Power Architects, Cincinnati, OH, 1990-1991. |
| | Project Architect, H2L2 Architects and Planners, Philadelphia, PA, 1989-1990. |
| | Project Architect, T-Squared Architects, Philadelphia, PA, 1988-1989. |
| | Project Architect, Kallman, McKinnell and Wood, Boston, MA, 1986-1987. |
| **Selected Public Service** | NAAB Accreditation Team Pool (ACSA), 2016-2019. |
| | Chair, NCARB Education Committee, 2018-2020. |
| | Faculty Committee on University Facilities and Space, UW, 2016-2018. |
| | Undergraduate Program Coordinator, University of Washington, 2018-present |
| | Member, Curriculum Committee, 2015-present |
| | Member, Undergraduate Admissions Committee, 2015-present |
| **Selected Papers & Presentations** | The Continuity of Democracy as a Spiritual Tradition," proceedings of the 2019 Annual Meeting of the Architecture, Culture, and Spirituality Forum, Scottsdale, AZ, May, 2019. |
| | "Site Stories: Politics, Social Justice, and Two Modern Churches (Finding Space Amid 'Separate Cities')," presented at the SAH Annual Meeting, St. Paul, MN, April, 2018. |
| | "Integrated Team Project Design in the Classroom," with Christopher Monson and Carrie Sturts Dossick; Architecture Plus Construction Alliance, Seattle, WA, May 2016. |
| | Facilitator: ACSA Women's Leadership Council Session, 2016 ACSA Annual Meeting, Seattle, WA, March 2016. |
| | "The Social Dimension of Architecture: Two Buildings by Caroline Bartlett Crane," Suffragette City: Gender, Politics, and the Built Environment (symposium), Charleston, SC, February 2016. |
| | Moderator: "Seattle Museums: Building Place + Building Community," American Alliance of Museums 2014 Annual Meeting, May 2014. |
| | "American Originals: Originality, Innovation, and the 'Domestication of the Infinite,'" presented at the SAH Annual Meeting, Buffalo, NY, April, 2013 and the departmental faculty colloquium, February, 2013. |
| | "Eye of the Beholder: Late Renaissance Drawings of Gothic Architecture," presented at a symposium on Renaissance architectural drawings at the UW Rome Center, December, 2011; re-presented at the BE colloquium, April, 2013. |

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| **Name** | **Tomás Méndez Echenagucia** |
| **Rank:** | **Assistant Professor** |
| **Degrees** | Ph.D. in Architecture and Building Design, Politecnico di Torino, 2014 |
| | Master of Science in Architecture and Construction, Politecnico di Torino, 2007 |
| | Architecture Diploma, Universidad Central de Venezuela, 2007 |
| **Teaching Responsibilities** | Arch 498/598: Computational Thinking |
| | Arch 523: Design Technology IV |
| | Arch 587: Theory of Design Computing |
| | Arch 592: Research Methods |
| **Main Areas of Research, Practice** | Multi-disciplinary computational research into design |
| | Structural design and form-finding |
| | Acoustic design and modeling |
| | Computational geometry, datastructures and modeling tools |
| | Material efficient construction systems |
| **Selected Publications & Reports** | Méndez Echenagucia, T., Pigram, D., Liew, A., Van Mele, T., & Block, P. (2018). A cable-net and fabric formwork system for the construction of concrete shells: Design, fabrication and construction of a full scale prototype. Structures. Accepted for publication. |
| | Roozen, N., Leclre, Q., Urbn, D., Méndez Echenagucia, T., Block, P., Rychtrikova, M., & Glorieux, C. (2018). Assessment of the airborne sound insulation from mobility vibration measurements; a hybrid experimental numerical approach. *Journal of Sound and Vibration*, 432 , 680–698. |
| | Block, P., Schlueter, A., Veenendaal, D., Bakker, J., Begle, M., Hischier, I., Hofer, J., Jayathissa, P., Maxwell, I., Méndez Echenagucia, T., Nagy, Z., Pigram, D., Svetozarevic, B., Torsing, R., Verbeek, J., Willmann, A., & Lydon, G. (2017). NEST HiLo: Investigating lightweight construction and adaptive energy systems. *Journal of Building Engineering*, 12 , 332–341. |
| | Hebel, D., Block, P., Heisel, F., & Me´ndez Echenagucia, T. (2017). Beyond mining - urban growth: The architectural innovation of cultivated resources through appropriate engineering. In A. Z.-P. Hyungmin Pai (Ed.) *Imminent Commons: The Expanded City*, chap. 0. Actar Publishers. Seoul Biennale of Architecture and Urbanism 2017. |
| | Méndez Echenagucia, T., Capozzoli, A., Cascone, Y., & Sassone, M. (2015). The early design stage of a building envelope: Multi-objective search through heating, cooling and lighting energy performance analysis. *Applied Energy*, 154 , 577–591. |
| **Selected Academic Experience** | Assistant Professor, University of Washington, beginning autumn 2019 |
| | Post-doctoral researcher, Block Research Group, Institute of Technology in Architecture, ETH, Zurich, 2014-2019 |
| | Teaching Assistant, Department of Architecture and Design, Politecnico di Torino, 2011-2014 |
| **Selected Professional Experience** | Co-founder, Lead architect, TMS Arquitectura, Caracas, Venequela/Turin, Italy, 2008-2014 |
| | Architect, Project Manager, Arquitectura Multimedia, Caracas, Venezuela, 2007-2008 |
| | Architectural Intern, Frlan + Jansen Architetti, Turin, Italy, 2005-2007 |
| **Selected Public Service** | Member, Technology Task Force, Strategic Planning Committee, College of Built Environments, University of Wasington, 2019-2020 |
| | Admissions Committee Chair, MS in Architecture, Design Computing, 2019-2020 |
| | Committee member, Study of MS in Architecture, Design Computing degree program, 2019-2020 |
| **Awards, Honors & Grants** | The Structural Awards 2017 (BRG) The Armadillo Vault was shortlisted in the categories of structural artistry and small projects, receiving a commendation for the latter. |
| | DETAIL Prize 2016 (BRG). Readers Prize and acknowledgment in the category "Structures" |
| **Selected Papers & Presentations** | Méndez Echenagucia, T., Pigram, D., Liew, A., Van Mele, T., & Block, P. (2018). Full-scale prototype of a cable-net and fabric formed concrete thin-shell roof. In Proceedings of the IASS Symposium 2018 . Boston. |
| | Méndez Echenagucia, T., Roozen, B., & Block, P. (2016). Minimization of sound radiation in doubly curved shell structures by means of stiffness. In Proceedings of the International Association for Shell and Spatial Structures (IASS) Symposium 2016 . Tokyo, Japan. |
| | Rippmann, M., Van Mele, T., Popescu, M., Augustynowicz, E., M´endez Echenagucia, T., Calvo Barentin, C., Frick, U., & Block, P. (2016). The Armadillo Vault: Computational design and digital fabrication of a freeform stone shell. In *Advances in Architectural Geometry 2016*, (pp. 344–363). |