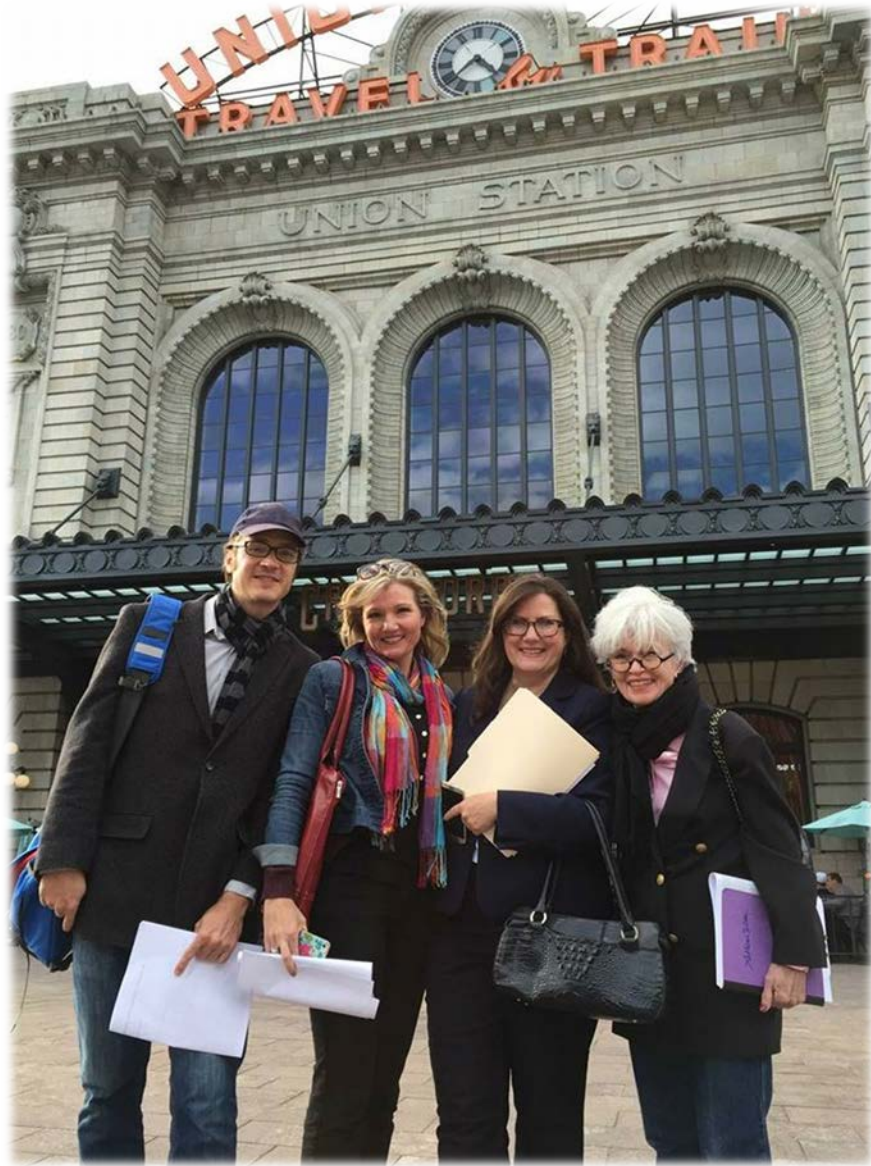


# CARTA | 2016



*We learn from the past to live for the future.*



Center for Advanced Research  
in Traditional Architecture

COLLEGE OF ARCHITECTURE AND PLANNING  
UNIVERSITY OF COLORADO DENVER

Center for Advanced Research in Traditional Architecture  
CHRISTINE G. H. FRANCK, Director  
College of Architecture and Planning  
University of Colorado Denver  
USPS Mailing address: Campus Box 126, P.O. Box 173364, Denver CO 80217-3364  
Physical address: 1250 14th Street, Suite 2000, Denver CO 80204  
Telephone: (303) 315-0063  
[christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu)  
[www.facebook.com/CUDenverCARTA](http://www.facebook.com/CUDenverCARTA)  
[@CUDenverCARTA](#)



Figure 1: Students learn about stone quarrying at Loukonen Bros. Stone.

## CARTA | 2016

Since the Contemporary Traditional Design Initiative began just three years ago, resulting in the formation of the new Center for Advanced Research in Traditional Architecture in the College of Architecture and Planning at the University of Colorado Denver in February of 2015, we have brought new ideas to architectural education, served our students, and began to build permanent, long-term funding to support our mission.

As we near the end of 2016, poised to begin the new year expanding our resources, we thought it timely to review all we have accomplished in this year.

Please contact me if you have questions or wish to join us to fulfill CARTA's mission.

With best wishes,

Christine G. H. Franck  
Director, CARTA

## ICAA Certificates Help Graduates Get Jobs and Interest Grows

Since 2013 CARTA has helped 22 CU Denver Master of Architecture students earn the ICA&A (The Institute of Classical Architecture & Art) Certificate in Classical Architecture by guiding them to courses at the college which the ICA&A has approved for the certificate. The ICA&A Certificate at CU Denver is as described [here](#) on CAP's website. CU Denver is the only school in the nation where students have this opportunity.

Our ICA&A Certificate students now work in some of the best classical and traditional offices around the country including Ferguson Shamamian Architects, Fairfax & Sammons Architects, Michael Imber Architects, Historical Concepts, Harrison Design, Erik Evens Architect and Tim Barber Ltd., Robert G Sinclair Architects, Ruggles Mabe Architects, and Ekman Design Studio. Additionally, a number of other top Colorado firms have hired CU Denver ICA&A Certificate graduates including 4240 Architecture, Davis Partnership Architects, and Anderson Hallas Architects.

Throughout 2016, student interest has continued to grow, with 31 Master of Architecture students currently enrolled to earn the ICAA Certificate over the next three years. To meet this demand and best utilize CU Denver faculty talent, CARTA has used 2016 to develop a proposal for its new, college-wide Certificate in Traditional Design launching in the Summer of 2017, pending all required College and University approvals.

### *STUDENTS EARN ICA&A CERTIFICATE:*

- *22 HAVE EARNED IT*
- *31 ARE ENROLLED*

## CARTA Certificate in Traditional Design Planned for 2017

The CARTA Certificate in Traditional Design is for people with a desire for knowledge of the ideas and practices of diverse design traditions, whether it is simply to deepen their knowledge of America's broad range of design traditions or because they aim to use traditional design methods and principles in their own careers.

Pending all necessary approvals, our new CARTA Certificate will allow students to gain specialized knowledge through a series of elective and extended studies courses: the American Masterworks Study Tour, a two-week long program for students to travel to and learn from the best of America's buildings, cities, and landscapes; the CARTA Internship Program, which will place students in six-week long internships at top classical and traditional firms around the country, and an intensive two-week long Design Lab in Denver.



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*I loved the workshop. I have always loved watercolors, but I never got that kind of quality instruction. I appreciate it! Thank you!*

Makena Roesch, Master of Landscape Architecture Student

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## First Courses Offered

Beginning in the spring of 2016, CARTA rolled out its first educational workshops, to serve students, local professionals, and the general public interested in traditional architecture, urban design, landscape architecture, and building craft. This program expansion is generating revenue, an important component of our financial strategy. We will expand offerings in 2017.

Class	Attendees	Revenue
Observational Drawing	8	Free
Primer on Classical Architecture	12	\$510.00
Geometrical Proportioning in Practice and Application	24	\$1030.00
The Art and Craft of Building a New Home	4	Free
Fundamentals of Traditional Design I	12	\$523.45
Fundamentals of Traditional Design II	7	\$202.55
Introduction to Perspectival Sketching	13	\$99.07
Observational Drawing	10	\$141.93
Introduction to Measured Drawing	4	\$21.00
Introduction to Watercolor Sketching	13	\$220.27
Colorado Building Crafts: Stone Quarry and Fabrication	9	\$152.09
Colorado Building Crafts: Masonry Construction	8	\$124.29
	124	\$3024.65



## CARTA Symposium a Venue for Discussion

Throughout 2016 CARTA has worked to plan its upcoming symposium, **“The Role of Memory in Placemaking,”** which will be held in conjunction with CARTA’s spring 2017 exhibit, **“The New Modern.”** Through such symposia, CARTA is becoming a center for discussion and debate about the contemporary built environment.

This follows CARTA’s successful 2015 symposium, **“Design a Better City,”** which brought together professionals, students, and academics in a day-long discussion about what cities are building in this development boom, and how we might build better cities.

Participants included representatives from the National Trust for Historic Preservation’s Green Lab, INTBAU, the CNU, Historic Denver, the ICAA Rocky Mountain Chapter, Denver’s Community Planning and Development office, local professionals, faculty, and students.

## Major Exhibit Planned for 2017

In the spring of 2016, CARTA hosted its second exhibit, **“Variations on a Classical Theme: Designs by Keith Loftin,”** which followed 2015’s **“Drawn From Place: Drawings of Phil Korrell.”**

Planning is underway for 2017’s **“The New Modern: An International Exhibit of Today’s Traditional Design,”** which will be a major exhibit and will include the symposium and other concurrent events. With enough sponsorship, we will publish the proceedings, in print and online.

All of CARTA’s exhibits have been accompanied by a lecture and workshop, giving students a chance to learn from the person whose work was exhibited. Phil Korrell also donated his drawings to CARTA, which are being catalogued and will be made available online. Professor Loftin’s drawings are being photographed for exhibition online as well. Our goal is to make all of our resources and activities available online.



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*"I really enjoyed the class and will be using a lot of the info... We all have to continue to educate ourselves while acknowledging the evolution of design patterns and the influence classical architecture has on our cities and buildings today."*

Jeffrey Sheppard, Roth + Sheppard Architects

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## Inaugural Driehaus Foundation Lecture Held in Denver

This fall, CARTA organized its first Richard H. Driehaus Foundation lecture featuring David Schwarz speaking on "Precedent: Its Importance and Its Practice." The event was held at one of Denver's premier cultural institutions, The History Colorado Center, and attracted a high quality audience representing Denver's major art and architectural organizations including Denver Arts and Venues, Denver Architecture Foundation, the ICAA Rocky Mountain Chapter, AIA Colorado, CU Denver faculty and students, and a diverse range of professionals.

Since its inception, CARTA has hosted international luminaries of contemporary classical and traditional architecture to Denver, including Allan Greenberg, Leon Krier, Robert Adam, and Thomas Gordon Smith. Planning is currently underway for the 2017 Driehaus Foundation Lecture.

## Director and Faculty Lecture Worldwide

As important as it is to bring lecturers to Denver, we also engage CARTA by attending and speaking at key conferences and events around the world.





# OUTREACH

This past year, CARTA's Director, Faculty Director, and other Faculty Council members have spoken at conferences from as far away as Kuala Lumpur, London, Glasgow, and Madrid and as close to home as Salt Lake City, New York, Los Angeles, South Bend, Charlottesville, New Haven, and Savannah.

## Forging Community Partnerships

CARTA is developing relationships with local organizations to extend its mission and be of service to our community. In 2016, for example, we assisted Historic Denver with a lecture series they organized to examine contemporary development in Denver. CARTA's Director spoke at several of the events.

This complements CARTA's previous partnership efforts to host the ICAA National Curriculum Conference and the Traditional Building Conference at CU Denver.





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*I am doing exactly what I want to be doing -- working with families to create their dreams. Thank you so much for your guidance and advice throughout the years. I can honestly say I would not be where I am today without you. They are really excited for my background in classical architecture.*

Elena Yablong, MArch 2015

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## CARTA Places Students in Jobs and External Programs

Soon after CARTA was launched, CARTA organized the College of Architecture and Planning's first Career Fair and hosted 12 firms and 70 students for a two-day career fair. Five of the nine ICA&A Certificate students were placed in internships directly from the career fair. Three others were offered jobs immediately afterward.

Since then, CARTA has participated in planning the 2015 and 2016 career fairs, again bringing top classical and traditional firms from around the country to Denver. In total, CARTA has helped place 11 students to date in internships and jobs throughout the country.

In addition to assisting with job placement, CARTA has helped a number of CU Denver students attend some of the top programs in the world for classical and traditional architectural education. We have now placed 12 students in the ICAA Winterim program in New York with full tuition scholarships and stipends thanks to our generous donors; five students in the ICAA Summer program in New York, and one student in the inaugural INTBAU Summer program in Sweden.



## CARTA Releases First Study

Over the summer of 2016, CARTA's Director conducted an analysis of all new residential construction in Denver from 2014 through the present day with the goal of understanding the impact of non-contextual development on community. Currently, Denver is experiencing a post-recession building boom, causing the character of Denver to rapidly change. CARTA's study "Documenting Change in Denver" set out to examine this through the first study documenting this change. CARTA's report received local press coverage and has

led to CARTA's Director being appointed to the City of Denver's task force to study current development problems.

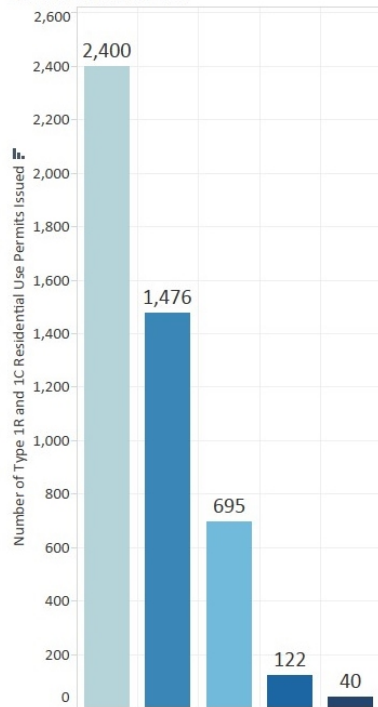
In addition to this report, CARTA has continued to provide support and expertise to faculty members for their students' independent studies. To date, five students have completed Independent Studies with CARTA's support.



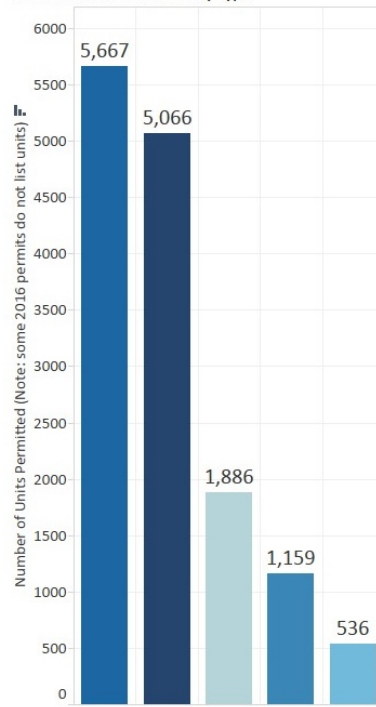
### DOCUMENTING CHANGE IN DENVER New Residential Buildings | January 1, 2014 - June 20, 2016



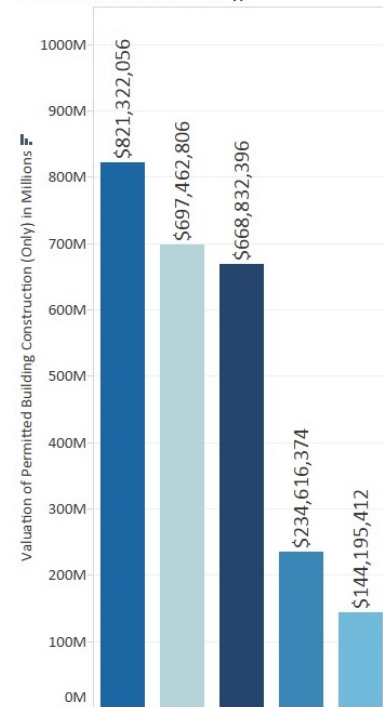
Number of Permits Issued



Number of Units Permitted by Type



Total Valuation of Each Permit Type



Permit Type

- 001: One family dwelling, detached
- 023: One family attached (Townhome)
- 002: Two family dwellings
- 024: Multi-unit structure (Apts/condos)
- 025: Mixed use with residential

Geocoding provided by: Texas A&M University (<http://geoservices.tamu.edu/>)

Permit data from: <https://www.denvergov.org/content/denvergov/en/denver-development-services/help-me-find/building-permits.html>

Author: Christine G. H. Franck, Director, CARTA

NOTE: Data includes ONLY Type 1 permits for new residential buildings (and new commercial buildings with living units) of the use classes listed in the legends. Data does not include permits for residential garages, phased construction, alterations or additions, accessory dwelling units, non-residential structures, non-residential uses, mechanical, electrical, or other permits. Data DOES include excavation/foundation permits. A number of permits do not list number of units, therefore the actual number of units built may be higher. METHOD: All permit data from January 1, 2014 through June 24, 2016 was downloaded from the City of Denver's website. Permit types and use classes outside of the area of study were removed. Permit address were geocoded using Texas A&M University's Geoservices. This data was used to create visualizations in Tableau Public. DISCLAIMER: Omissions in the City of Denver's permit data, or errors in the geocoding are not the fault of the author.

## Scholarships and Awards to Students Increased

In 2016 CARTA awarded a total of \$21,400 directly to students for tuition scholarships and awards for study at external programs. This includes the \$10,000 Clinton Scholars program, funded by The Clinton Family Foundation, and \$10,900 in awards for students to study at the ICAA Winterim, thanks to a lead gift from Peter Penoyer Architects, and additional gifts from Harrison Design, Historical Concepts, and Fairfax & Sammons.

Additionally, this year, CARTA established a new flexible fund to allow students to request one-off support for research projects and independent study. We made our first award of \$500 from that fund to support a student's studies in Sweden at the INTBAU European Summer School in Classical Architecture.

In 2017 this level of support will increase. For example, we are fundraising to award tuition scholarships for study in the college's new Colonial Architecture and Urbanism of Cuba program, CARTA's new American Masterworks, Internship, and Design Lab programs, and to increase our support for students attending external programs at the ICAA, INTBAU, and more. Since CARTA's formation, we have awarded over \$54,600 in scholarships and awards.

Further development of our Scholarship and Award Fund is a top priority for 2017.





# RESOURCES AND INFRASTRUCTURE

## Strengthening our Foundations

To achieve the substantive progress CARTA has made in 2016, CARTA has also worked to strengthen its infrastructure and social media presence including: on facebook at <https://www.facebook.com/CUDenverCARTA/> on twitter <https://twitter.com/CUDenverCARTA>, on CARTA's blog <https://cudenvercarta.org/>, and the website <http://cap.ucdenver.edu/carta>.

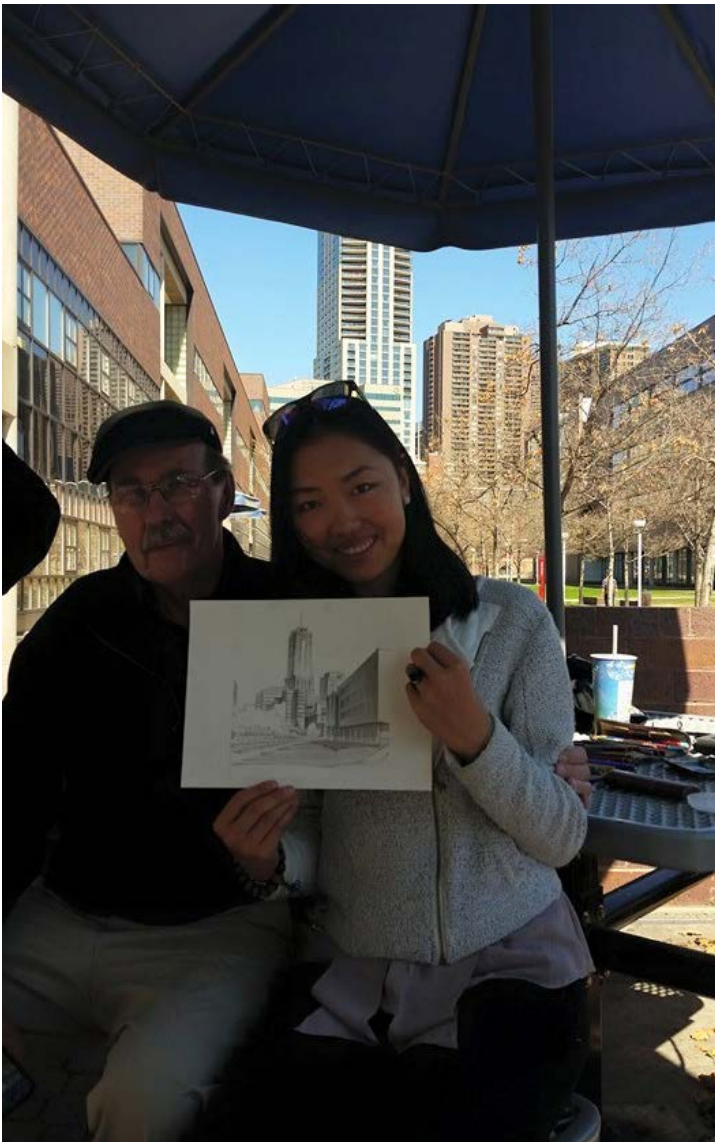
Resources added in 2016 include the donation of a small library collection from Ruth Valkenburg, which we have made available online, and the drawing archive of Phil Korrell, which is currently being catalogued for inclusion online. This is added to the casts donated previously by Hyde Park Moldings and the pledge from Allan Greenberg of a library donation.



CARTA continues to aid Students for Classical Architecture CU Denver Chapter with support for its design competitions, which have previously included a day-long competition to “**Build a Better City,**” which engaged 18 students competing in nine teams to re-design Civic Center Station and a day-long competition for a “**Counterproposal to a Mega-block Development,**” which proposed a traditional vision for a 160 unit apartment building in historic Littleton, CO.

Student teams for the competition included undergraduate architecture, graduate architecture, and graduate urban design, and were led by CARTA’s director and faculty council members. Local architects visited during the day long *esquisses* and students developed their design skills with an opportunity to work in a traditional method and from traditional precedents. A new design competition is planned for 2017.

Additionally, CARTA partners with Students for Classical Architecture CU Denver Chapter to organize the only international student design awards program. The Student Design Awards showcases a rich and diverse body of work from a previously un-represented constituency in design education: students interested in traditional and classical design. In the fall of 2015, we held the inaugural **International Student Design Awards**, attracting over 160 entries from 19 universities and colleges. See here: <http://www.scaawards.org/#!winners-gallery/c2311>. And are currently preparing for the 2<sup>nd</sup> **International Student Design Awards** to be held in 2017.



## Building our Base

CARTA's initial year and a half was supported by the College of Architecture and Planning. Once CARTA's director had been hired, she developed new support for scholarships, lectures, and general operations.

Thanks to the generosity of the Richard H. Driehaus Foundation, core program services are provided for during CARTA's initial three years of development. The first year of this support, beginning in January of 2016, has allowed the Director of CARTA to plan, operate, and teach CARTA's activities; administer its scholarship, placement, and recruitment activities; develop and maintain its infrastructure and social media presence; and create diverse fundraising and revenue-generating activities.

In 2016 CARTA has maintained its existing donor base, including \$15,000 in gifts for scholarships; and expanded it by adding \$6,400 from new donors for scholarships. Working closely with the CU Denver Office of Advancement, CARTA has been able to develop a fundraising plan for 2017 with a goal of \$250,000 from a variety of individuals, foundations, and corporate sponsors to support CARTA's operational and program expenses as we begin to permanently endow CARTA.

New this year, is ending 2016 with our first annual campaign, designed to garner small gift support for our mission from a broad base of new donors.

Additionally, CARTA has begun revenue generating activities through its courses. With this initial year complete and money in the bank, plans are underway for a second year of revenue-generating courses and activities.



# Lead Program Support

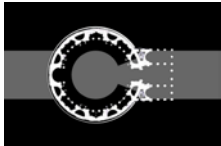


## TRYBA ARCHITECTS

# Scholarships



# Partners



Without the leadership of our donors, CARTA's work would not be possible. We are grateful for the generosity of our donors who make all our programs possible.

Christine G. H. Franck, Director

## **Founding Faculty Council Members**

Mark Gelernter, PhD  
CARTA Faculty Director 2016  
Professor and Dean

Robert Flanagan  
Professor, Architecture

Ann Komara, PhD  
Professor and Chair, Landscape Architecture  
Director, Urban Design

Laurence Keith Loftin, III  
CARTA Faculty Director 2017  
Professor, Architecture

Hans Morganthaler, PhD  
Professor, Architecture History

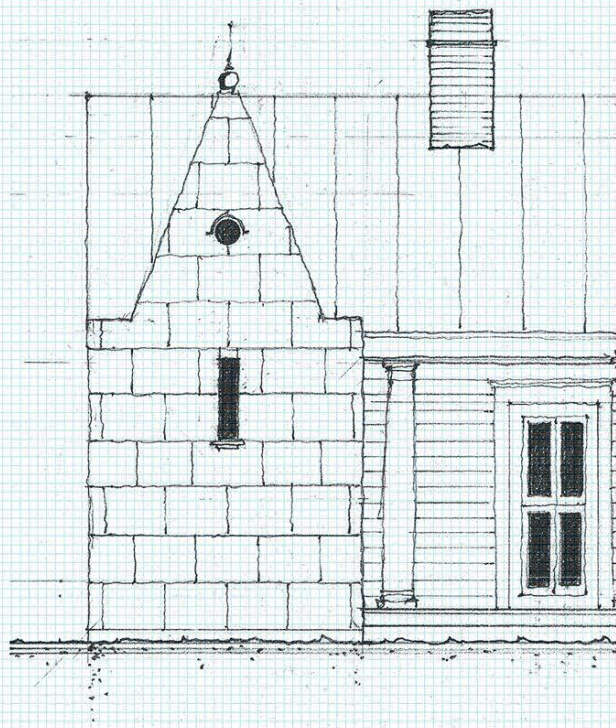
Christopher Nims, FAIA  
Adjunct Associate Professor, Architecture

APPENDIX: CARTA's 2016 ACTIVITIES



# VARIATIONS ON A CLASSICAL THEME

WORKS BY PROFESSOR LAURENCE KEITH LOFTIN III



**Reception and Lecture: 5:30pm, February 25, 2016**

**Exhibit: 9:00am – 4:00pm, February 8 – 26, 2016**

University of Colorado Denver | College of Architecture and Planning  
1250 14th Street, 2nd Floor, Denver, CO



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# THE CLASSICAL PRIMER

A CARTA WORKSHOP WITH ERIK K. EVENS, AIA

Join CARTA for a primer on the language and rationale of classical architecture, which underpins almost all traditional American architecture. During this dynamic workshop, participants will learn about the primary canonical reference literature on classical architecture, the basic rules and proportions of classical architecture, and review the canon of the Orders of Architecture. The morning concludes with a thought-provoking exploration of the enduring appeal of classical architecture, helping participants discover reasons to employ the language in their work, and to answer the question, "Why Classicism?"

The workshop will be led by CARTA Director Christine G. H. Franck and guest speaker Erik Evens, AIA. Erik earned his degree in architecture from California Polytechnic State University in San Luis Obispo and is a partner in the firm KAA Design, where he oversees a broad range of custom residential, commercial and institutional projects. He is a Fellow of the ICAA and former president of the Southern California Chapter of the ICAA.

This workshop has previously been approved for up to 3 AIA/CES LUs. When registering, please inquire further.

**When:** Saturday, March 26, 2016  
9:00am – 12:00pm

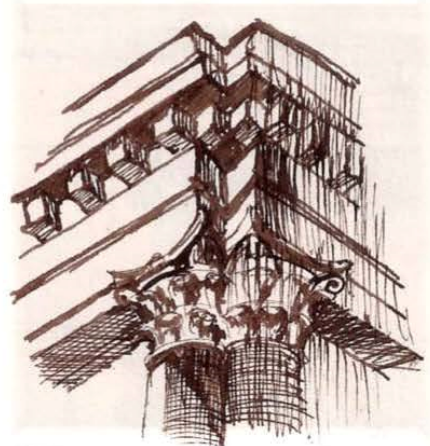
**Where:** University of Colorado Denver  
College of Architecture and Planning  
1250 14th St Denver, CO 80202  
Room 2005

**Who:** All levels are welcome.

**Cost:** \$70 per participant  
\$60 for ICAA Members  
\$30 for students

**Register:** Email [christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu).  
Space is limited and registrations are on a first-come, first-served basis.

**More:** Visit CARTA on Facebook at [www.facebook.com/CUDenverCARTA/](http://www.facebook.com/CUDenverCARTA/) for more details. This is a "Core Course" for the ICAA Certificate. To learn more, see [www.classicist.org](http://www.classicist.org).



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In association with:  
The Institute of Classical Architecture & Art  
Rocky Mountain Chapter

# BASIC PROPORTION: GEOMETRICAL PROPORTIONING IN PRACTICE AND APPLICATION

A CARTA WORKSHOP WITH RICHARD SAMMONS, ARCHITECT

Join CARTA for a workshop introducing proportion and its application in design. Proportion is the most crucial, yet most misunderstood aspect of architectural design. It exists today as the last bastion of objective logic in the realm of aesthetics. Indeed, without an understanding of proportion and the closely related problem of scale, no architectural endeavor can be successful in the aesthetic sense.

This 3-hour long workshop will present practical methods of geometrically describing the elements of classical architecture and how they relate to an overall architectural composition, as well as provide techniques and practice for applying proportion to design with special emphasis on the orders. Future CARTA workshops will delve into architectural composition, building upon this workshop on proportion.

The workshop will be led by CARTA Director Christine G. H. Franck and guest speaker Richard Sammons, Architect. Richard is an architect, theorist, teacher, and founding partner of Fairfax & Sammons Architects, of New York and Palm Beach. The firm has an international practice specializing in classical and traditional architecture, interior design and urban planning. Sammons is also co-founder of the Institute of Classical Architecture & Art. Fairfax & Sammons has numerous awards and been featured in *The New York Times*, *Architectural Digest*, *Southern Accents*, *Old House Journal*, *Traditional Building*, *New Old House*, and more. Their monograph, *American Houses: The Architecture of Fairfax & Sammons* is published by Rizzoli International. In 2013, Fairfax & Sammons received the Arthur Ross Award in Architecture, recognizing excellence in the classical tradition.

**When:** Sunday, April 10, 2016  
1:00pm – 4:00pm

**Where:** University of Colorado Denver  
College of Architecture and Planning  
1250 14<sup>th</sup> Street, Denver, CO 80202  
Room 2005

**Who:** All levels are welcome. Basic drawing skills are needed.

**Cost:** \$70 per participant  
\$60 for ICAA Members  
\$30 for students

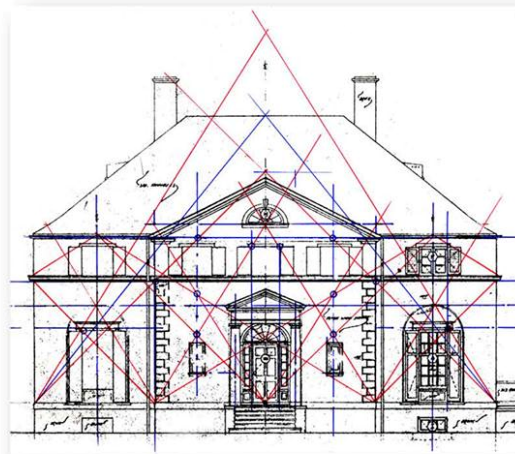
**Register:** Email [christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu).  
Space is limited and will sell out for this always popular workshop. Registrations are on a first-come, first-served basis.

**More:** Visit CARTA on Facebook at [www.facebook.com/CUDenverCARTA/](http://www.facebook.com/CUDenverCARTA/) for more details and examples of Sammons' work. This workshop has previously been approved for up to 3 AIA/CES LUs. It is a "Core Course" for the ICAA Certificate. When registering, please inquire further.



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### CONTINUING EDUCATION

**Fundamentals of Traditional Design: Part I**  
Tuesday, November 8, 6:30 PM – 9:00 PM

**Fundamentals of Traditional Design: Part II**  
Tuesday, November 15, 6:30 PM – 9:00 PM

LEARN

DISCUSS

### DISCUSSION SEMINARS

**Builders' Network Breakfast (By invitation)**  
Tuesday, November 8, 7:30am – 8:30am

**Concepts of Time and Newness in Architecture**  
Tuesday, November 29, 6:00PM – 7:30 PM

### BUILDING CRAFT FIELD TRIPS

**Stone Quarry Tour with Loukonen Bros. Stone**  
Friday, November 4, 3:00pm—6:00pm

**Masonry Workshop with Rocky Mountain Masonry Institute**  
Friday, December 2, 3:00pm—6:00pm

BUILD

DRAW

### SKETCHING WORKSHOPS

**Perspectival Sketching**  
Saturday, September 10, 9:00 AM – 12:00 PM

**Observational Drawing**  
Saturday, September 24, 9:00 AM – 12:00 PM

**Measured Drawing and Survey Techniques**  
Saturday, October 22, 9:00 AM – 12:00 PM

**Introduction to Watercolor Sketching**  
Saturday, November 5, 9:00 AM – 12:00 PM



### DRIEHAUS FOUNDATION LECTURE

**Precedent: Its Importance & Its Practice**  
David M. Schwarz, David M. Schwarz Architects  
Wednesday, November 16, 2016



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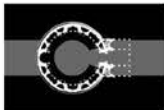
**contact: [christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu)**  
*Courses are non-credit bearing, some may qualify for  
the ICA&A Certificate and AIA/CES LUs*



# PERSPECTIVE SKETCHING



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DENVER



INSTITUTE OF CLASSICAL  
ARCHITECTURE & ART  
ROCKY MOUNTAIN

**9:00AM – 12:00PM, SATURDAY, SEPTEMBER 10, 2016**  
**GREEK THEATER, CIVIC CENTER PARK**

**COST: \$5 TO \$30; REGISTER: [CHRISTINE.FRANCK@UCDENVER.EDU](mailto:CHRISTINE.FRANCK@UCDENVER.EDU)**

Join CARTA Director Christine G. H. Franck for a half-day drawing workshop. Participants will learn basics of sketching three-dimensional forms in space; how to see and represent light, shade, and shadow; and different line techniques. All levels of experience are welcome, both group and individual instruction will be delivered. There will be some drawing supplies on-hand, but it is recommended that you bring:

- ~ 12 x 16 pad of smooth heavy weight 100lb. Bristol paper.
- ~ Assorted soft pencils such as HB, 2B, 4B, 6B and sharpener
- ~ Kneaded eraser
- ~ You may also bring compressed pens, charcoal, white charcoal, and toned paper, such as Strathmore 400 Series or Canson Ingres Drawing Paper in blue, gray, or beige, if you wish to experiment with various media.





*CARTA is pleased to offer this workshop  
in association with:*



## **OBSERVATIONAL DRAWING**

9:00AM – 12:00PM, SATURDAY, SEPTEMBER 24, 2016  
US CUSTOM HOUSE, 721 19<sup>TH</sup> STREET, DENVER, CO

Join CARTA Director Christine G. H. Franck for a fun and informative half-day drawing workshop studying the main entries of the US Custom House and nearby Holy Ghost Roman Catholic Church. Our morning will begin with a careful study of the main entrance at the US Custom House, one of Denver's finest classical buildings and a National Landmark. Students will then move on to complete a second study of the doorway at Holy Ghost Roman Catholic Church, an equally fine entryway. Observational drawing focuses on developing the ability to carefully study proportional relationships, compositional strategies, the disposition of architectural elements, and ways to represent these elements in a studied drawing while improving one's skills of representation.

**Materials:** There will be some drawing supplies on-hand, but it is recommended that you bring:

- 9 x 12 or 12 x 16 pad of smooth heavy weight 100lb. Bristol paper or other large format, unlined sketchbook
- Assorted soft pencils (HB, 2B, 4B, 6B) and sharpener
- Kneaded eraser and / or gum eraser
- Bring compressed charcoal, white charcoal, pens, and toned paper, such as Strathmore 400 Series or Canson Ingres Drawing Paper in blue, gray, or beige, if you wish to experiment with various media.
- You may also wish to bring a chair, portable stool, or cloth to sit on and if the weather is sunny, a hat and sunscreen.

### **Costs:**

Professional and General Public: \$30  
ICAA Members: \$27, with 10% discount  
Students and faculty: \$15, with 50% discount  
SCA Members: \$10, with additional \$5 off student price  
(See registration form for multi-session discount codes)

### **To register:**

<http://www.regonline.com/CARTAObservationalDrawing>

### **For information contact:**

[christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu)

### **Next workshop:**

Measured Drawing and Survey Techniques  
Saturday, October 22, 2016

<https://www.regonline.com/CARTAMeasuredDrawing>







## WATERCOLOR SKETCHING

9:00AM – 12:00PM, SATURDAY, NOVEMBER 5, 2016  
COLLEGE OF ARCHITECTURE AND PLANNING  
1250 14<sup>TH</sup> STREET, DENVER, CO

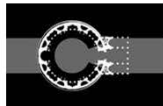
Join CARTA Director Christine G. H. Franck for a relaxing morning of instruction in watercolor. Participants will learn about the tools, techniques, and medium of watercolor; practice techniques like running washes and working wet-on-wet; develop a color wheel and learn about color theory; and complete a watercolor sketch of a still life composition. Watercolor sketching is a good tool for the designer, both for study of existing views and preparation of design presentation drawings. It is a powerful medium for depicting light, shade, shadow, and color. This introductory workshop is not required, but recommended for the spring watercolor workshop.

**Materials:** Registered participants will receive a list of recommended tools and materials, many of which will also be on hand for students' use.

### Costs:

Professional and General Public: \$30  
ICAA Members: \$27, with 10% discount  
Students and faculty: \$15, with 50% discount  
SCA Members: \$10, with additional \$5 off student price  
*(See registration form for multi-session discount codes)*

*CARTA is pleased to offer this workshop  
in association with:*



To register:

<http://www.regonline.com/CARTAFall2016>

For information contact:

christine.franck@ucdenver.edu

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## THE ART OF BUILDING: COLORADO BUILDING CRAFT WORKSHOPS

### STONE QUARRY AND FABRICATION WITH LOUKONEN BROS. STONE

3:00PM – 6:00PM, FRIDAY, NOVEMBER 4, 2016  
LONGMONT, CO

Join Loukonen Bros. Stone, family-owned quarry and stone fabricator and supplier since 1890, and CARTA for a Friday afternoon workshop introducing stone quarrying and fabrication. The workshop will begin with a visit to the Loukonen Bros. quarry (weather permitting) to see sandstone extracted from the earth. It will continue with a hands-on-workshop at their stone yard where you will learn about stone fabrication, including an opportunity to try your hand chiseling stone. Participants must wear hard-toed shoes and protective eyewear. All materials will be provided. Further details, including car-pooling in vehicles suitable to the terrain, will be provided to participants.

[REGISTER NOW](#)

### MASONRY CONSTRUCTION WITH ROCKY MOUNTAIN MASONRY INSTITUTE

3:00PM – 6:00PM, FRIDAY, DECEMBER 2, 2016  
DENVER, CO

Join the Rocky Mountain Masonry Institute and CARTA for a Friday afternoon workshop introducing the craft of masonry. The workshop will begin with a site visit to a local construction site (weather permitting) to see masonry in construction and meet skilled masons and apprentices at work. It will continue with a hands-on workshop at the Rocky Mountain Masonry Institute where you will learn about art and craft of masonry construction, including an opportunity to “get your hands dirty” laying masonry. Participants should wear clothing suitable for a construction site, including hard-toed shoes. All materials will be provided. Further details will be provided to participants.

[REGISTER NOW](#)

CARTA is pleased to offer these workshops with:



and the kind support of:



#### Cost per workshop:

Professional and General Public: \$35.00  
ICAA Members: \$31.50 (10% discount)  
Students and Faculty: \$28 (20% discount)  
SCA Members: \$23 (\$5 off Student rate)

*(Use discount code “2Sessions” for 10% discount if attending two sessions this semester, or discount code “3Sessions” for a 25% discount if attending three or more sessions this semester.)*

#### All classes:

<http://www.regonline.com/CARTAFall2016>

#### For information contact:

[christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu)



## FUNDAMENTALS OF TRADITIONAL DESIGN PART I AND PART II

6:30PM – 9:00PM, TUESDAYS  
COLLEGE OF ARCHITECTURE AND PLANNING  
1250 14<sup>TH</sup> STREET, DENVER, CO

Knowledge of the patterns and methods of classical architectural design is essential to any designer working today, whether for renovations or restorations of historic buildings, or for the design of new buildings. Join Christine G. H. Franck, an award-winning designer, former director of the ICA&A's academic programs, and Director of CARTA, for two intensive workshops covering essentials of classical architecture, the root of western traditional design. Parts I and II may be taken together or independently.

### PART I – November 8

This session will cover building types and their role in the city; compositional strategies for plan, elevation, and section; architectural elements and their proper use; and an introduction to the compositional tools of proportion and scale. Franck will illustrate these topics with canonic buildings, thereby also providing an historical overview of classical and traditional design.

[REGISTER NOW](#)

### PART II – November 15

This session will cover the classical moldings and their construction and traditional variations, an arithmetic layout of the Tuscan Order, including the layout of raking profiles, and an overview of classical ornamental motifs and their traditional variations. Special reference will be given to American traditional architecture, both historical and contemporary.

[REGISTER NOW](#)

#### Materials:

Participants should bring a large format, unlined sketchbook, which can open to lay flat, for taking notes and following constructions, and soft pencils, sharpener, and eraser. Constructions can be made freehand, but participants may wish to also bring a small rolling ruler, adjustable triangle, compass, and proportional dividers.

#### Cost per workshops:

Professional and General Public: \$55.00  
ICAA Members: \$49.50, with 10% discount  
Students and faculty: \$44.00, with 20% discount  
SCA Members: \$39.00, with additional \$5 off student price  
(At checkout, use discount code "2Sessions" for 10% discount if attending two sessions this semester, or discount code "3Sessions" for a 25% discount if attending three or more sessions this semester.)

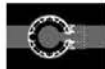
#### All classes:

<http://www.regonline.com/CARTAFall2016>

#### For information contact:

[christine.franck@ucdenver.edu](mailto:christine.franck@ucdenver.edu)

CARTA is pleased to offer these workshops in association with:



and the kind support of:





Center for Advanced Research  
in Traditional Architecture

COLLEGE OF ARCHITECTURE AND PLANNING

UNIVERSITY OF COLORADO **DENVER**