CONFERENCE

STEM FACILITIES PLANNING AND DESIGN INSTITUTE

June 5 - 7, 2017

Denver, CO

RFD

www.rfd.com

ACADEMIC IMPRESSIONS

Learn collaborative strategies for designing your STEM facility.

OVERVIEW

Design a STEM facility using the latest and best practices in facility design for teaching spaces, laboratories, and more. Whether you are adding on to or renovating an existing space or building a brand new facility, this event will help you and your team get on the same page and work toward common goals. Featuring both academic and architectural perspectives, this event will teach you how design a STEM facility that helps:

- → Recruit and retain high-quality STEM students and faculty
- → Enable and enhance interdisciplinary collaboration and learning
- → Optimize lab, classroom, and learning spaces
- → Incorporate flexible design to accommodate advances in STEM
- → Increase the efficiency and sustainability of your space and budget
- → Align research and instruction in a single facility

TOUR TWO STEM FACILITIES: UNIVERSITY OF DENVER AND COLORADO SCHOOL OF MINES

Included with your registration is the opportunity to tour not one but two STEM facilities. At the University of Denver you will view expanded research and instruction spaces, flexible classrooms, interdisciplinary centers, and community areas in the institution's engineering and computer science building. As we tour the Colorado School of Mines you will have the chance to view new makerspaces and laboratories on campus.

POST-CONFERENCE WORKSHOP: IDENTIFYING STAKEHOLDERS, COMMUNICATING EFFECTIVELY, AND STICKING TO YOUR CONSTRUCTION TIMELINE

When renovating or constructing a new facility, sticking to your timeline is easier said than done. Using the University of Denver's projects as a case study, Mark Rodgers will help you:

- → Familiarize yourself with crucial aspects of the construction timeline
- → Identify project stakeholders and deploy their talents
- → Craft a structure that enables communication
- → Benchmark your project's design and cost

VISIT EVENT PAGE

www.academicimpressions.com/conference/stem-facilities-planning-and-design-institute

BRING YOUR STEM FACILITIES TEAM

Bring your team of STEM faculty, facilities directors, campus and capital planners, academic leadership, project managers, campus architects, sustainability leaders, and chief financial officers. These groups will benefit from a shared conversation on the positive impact that new or renovated STEM facilities can have on the academic mission of your institution.

When two people register, a third can attend for 50% off the registration price.

LEARNING OUTCOME

After participating in this conference, you will be able to use collaborative strategies to incorporate the best and latest in STEM facilities design.

CONTACT US FOR MORE INFORMATION

Contact Michelle Sponholz, Associate Program Manager at michelle@academicimpressions.com or 720-496-4492 if you'd like additional information about the program.

AGENDA

DAY 1: JUNE 5, 2017

12:30 - 1:00 p.m.
Conference Registration

1:00 - 1:15 p.m.
Welcome and Introduction

1:15 - 1:45 p.m.
Needs Assessment: Establishing your Starting Point for 21st Century Design Principles on Your Campus
Where are you now in terms of your current STEM facility needs? This session will give you an opportunity to assess your current facility relative to 21st century design considerations. You will also have an opportunity to participate in a guided discussion with peer institutions about your current STEM climate and where you are in the design process.

1:45 - 3:00 p.m.
Connecting Pedagogy with Facility Design: STEM Considerations for 21st Century Learners
The heart of a dynamic, flexible, and innovative STEM facility is the situated, hands-on learning that transpires in this space. This session will highlight key pedagogical shifts that are influencing instructional space, layout, and connectivity considerations. You will understand learning centered design considerations that are top of mind in leading STEM programs and real examples of how they are responding to support learning innovation. In addition, your team will identify your unique campus culture as it connects to the values and drivers that will impact the design characteristics of your STEM facility.

3:00 - 3:15 p.m.
Afternoon Break

3:15 - 4:30 p.m.
Aligning Learners and Lab Spaces: Modern Design for Learner Engagement
This in-depth session will focus on one of the most challenging design aspects in a STEM facility: the academic lab. Attendees will hear from an experienced lab designer about the innovative and successful approaches colleges and universities are utilizing to create exciting opportunities for their students.

4:30 - 5:00 p.m.
Working Session: Lab Space Prioritization Exercise
During this session, your team will be given time to prioritize lab learning space considerations according to the needs of your students and faculty. Attendees will have the opportunity to compare their thoughts with peer institutions.

5:00 - 6:00 p.m.
Networking reception (included in registration fee)

AGENDA

DAY 2: JUNE 6, 2017

8:00 - 8:30 a.m.
Continental breakfast (included in registration fee)

8:30 - 9:45 a.m.
Strategies for Successfully Utilizing Faculty and Stakeholders in Facility Design
Modern STEM facilities can be opportunities for STEM discipline crossroads, but with specific campus cultural needs for research, class, and office space, the involvement for users including students, faculty, and community members in the design process has never been more critical. Based on experience, our expert will provide a space to discuss faculty involvement strategies and a stakeholder map to establish priority communication channels. Find out who to bring to the table and engagement strategies to inform design decisions.

9:45 - 10:00 a.m.
Morning Break

10:00 - 11:00 a.m.
Outside the Classroom: Designing a Complete STEM Facility
Having explored the hands-on tactics central to engaging students inside the classroom, this session will more directly address those areas outside the classroom that are so critical for maintaining STEM academic momentum. Specific areas of discussion for this conversation include:

- → Best practices in designing for spontaneous learning
- → Maximizing "Science on Display"
- → Sustainability cohesion across the campus
- → Community involvement

11:00 a.m. - 12:00 p.m.
Consulting Session: Strategies for Selection and Communication with Your External Team
You will be provided strategies for selection and communication with an external project team and an opportunity to ask our specialists questions relevant to the needs of your specific institution.

12:00 - 1:00 p.m.
Lunch (included in registration fee)

1:00 - 3:30 p.m.
STEM Facilities Tour: Colorado School of Mines
Through a guided tour, you will see the Colorado School of Mines innovative facilities, including a newly opened makerspace, along with research and instructional labs.

3:30 - 4:15 p.m.
Panel Discussion: School of Mines Institutional Team
Join us for an open discussion that will walk you through the design choices, challenges, and opportunities that these facilities created for the Colorado School of Mines.

AGENDA

DAY 3: JUNE 7, 2017

8:30 - 9:00 a.m.
Continental Breakfast (included in registration fee)

9:00 - 11:30 a.m.
STEM Facilities Tour: Daniel Felix Ritchie School of Engineering and Computer Science and the Knoebel Center for the Study of Aging, Denver University
Through a guided tour, you will see firsthand how Denver University's engineering and computer science building has become the anchor of their STEM program. This building will highlight vastly expanded research and instructional spaces, flexible classrooms, interdisciplinary centers and institutes, community areas, and dining facilities.

11:30 a.m. - 12:00 p.m.
Wrap-up/Program Takeaways

POST-CONFERENCE: ESTABLISHING AND ACTUALIZING A STEM FACILITY CONSTRUCTION TIMELINE

12:00 - 1:00 p.m.
Lunch for Post-Conference Attendees (included in workshop registration)

1:00 - 4:00 p.m.
Post-Conference: Establishing and Actualizing a STEM Facility Construction Timeline
Those who have opened a new STEM facility on their campus can tell you that facility design is perhaps half the challenge. Obviously, the laborious process of incorporating stakeholders, actualizing design, and carrying out your project's punch list complicates the process for even the most thoroughly designed projects.

This post-conference session is designed to help you plan through the necessary steps in this cumbersome process. Our expert facilitator will be on hand to present best practices and discuss pitfalls to avoid throughout your project timeline. Included in this three-hour session will be an opportunity for you to work through key planning considerations, including:

- → Actionable strategies for ensuring stakeholder communication throughout the project
- → Realistic timelines for crucial steps in the construction process
- → Crucial benchmarking tactics to inform project design and cost considerations
- → Proven methods for communicating with 3rd party designers and architects

INSTRUCTORS

Richard M. Heinz, FAIA, NCARB, LEED AP, Principal & Vice President, Research Facilities Design
Rick has enjoyed a 32 year career with RFD, a firm specializing exclusively in the programming and design of laboratory facilities for institutional, industry, and governmental clients. Based in San Diego, RFD has consulted on more than 1000 projects in 49 states throughout the U.S. and around the world. Rick's primary career focus has been on undergraduate STEM facilities for both public and private institutions such as: Aquinas College, Auraria Higher Education Center, California Lutheran University, California School of Mines, Denison University, Eastern Washington University, Kansas State University, Newman University, Metro State University - Denver, Rhodes College, Tennessee Tech University, University of Denver, University of Notre Dame, University of San Diego, University of Virginia, University of Washington – Bothell, University of Wyoming, Valparaiso University, Whitworth University, and six University of California campuses.

Mr. Heinz holds a Bachelor of Architecture and Bachelor of Science in Business Administration from Kansas State University. Professional affiliations include the American Institute of Architects, Scientific Equipment and Furniture Association and Society for College and University Planning.

Rick has presented at more than 60 Science Facility conferences for such organizations as Academic Impressions, Learning Spaces Collaboratory, Project Kaleidoscope, Society for College & University Planning, and Tradeline, Inc.

John Lewis, Laboratory Consultant, RFD
In his 26 years of practice, Mr. Lewis has been involved with projects across the US and abroad. These include facilities such as the Osborne Center for Science & Engineering at the University of Colorado, Colorado Springs, the Michael B. Enzi STEM Undergraduate Laboratory Facility at the University of Wyoming, and the Tracy Hall Science Center at Weber State University. John's current work includes the Daniel Felix Ritchie School of Engineering & Computer Science + The Knoebel Center for the Study of Aging at the University of Denver, Johnson Hall at Oregon State University, the Aerospace Engineering Sciences Building at Metropolitan State University of Denver, and the New Science Building at Tennessee Tech University.

As laboratory consultant, John is responsible for laboratory programming, planning and design, and managing production. He is also in charge of planning, coordinating and supervising the development of Program Drawings and Design Criteria, Design Development and Construction Documents. This includes, but is not limited to, interviewing users in work sessions, interpreting data collected in user meetings, advising the building engineers, and developing project specifications.

Mark Rodgers, University Architect, University of Denver
Mark is well known for encouraging projects that celebrate and promote the unique strengths of the programs housed and creating warm and inviting spaces with the recent renovation of the Penrose Library (originally built in 1972) into the Anderson Academic Commons that re-opened in March of this year a notable example.

As university architect, Mark's responsibilities range from the initial programming and design to adapting projects years after construction – allowing him to garner a rare understanding of how buildings serve an academic institution for many years beyond completion. Following upon initial design direction, Mark has continued the challenging work of unifying the University Park Campus in a manner that embraces its distinguished history, accounts for the necessity of enduring design, and celebrates an enthusiasm for DU's future. Mark has enjoyed the roles in architecture from "picking up redlines" and "producing shop drawings" to being deeply involved in the design of every project at the University of Denver over the last two decades.

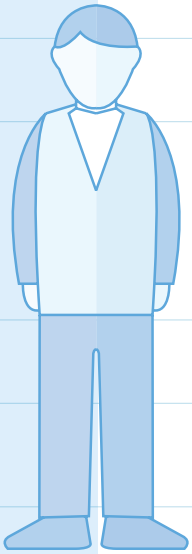
INSTRUCTORS

Jill Sible, Assistant Provost for Undergraduate Education, Virginia Tech
At Virginia Tech, Jill Sible led an innovative cell biology research program for a decade then, six years ago, moved into university administration to work for the improvement of the undergraduate learning experience. She introduced her campus to the SCALE-UP concept and spearheaded the design and construction of SCALE-UP classrooms and adoption of the associated pedagogy at Virginia Tech. She has led over $9M in sponsored research projects including $5M in STEM education grants. She is currently the lead investigator for projects funded by the National Science Foundation, National Institutes of Health, and Howard Hughes Medical Institute, all of which focus on increasing success, retention and diversity among undergraduate programs in STEM.

Sible is a National Academic of Sciences Education Fellow in the Life Sciences. Her current projects include leading a dramatic revision of Virginia Tech's general education curriculum to be more integrated, outcomes-oriented and infused with contemporary pedagogy. She has also worked on the vision and programming for Virginia Tech's new classroom building, scheduled to begin construction this fall. Sible continues to teach courses in cell and molecular biology, developmental biology, and cancer biology and cites the learning experiences she shares with her students as her greatest professional reward.

THE CONFERENCE EXPERIENCE

OTHERS	VS	ACADEMIC IMPRESSIONS
Typically large annual event		**Intimate, workshop-style event with personalized attention**
Many concurrent sessions; forcing choice		**One focused learning track**
Uneven sessions and less outcome-focused, driven by an open call for proposals		**Needs-driven** and meticulously planned with practical outcomes • Action plans and next steps to use upon returning to campus • Carefully-vetted expert instructors that are also practitioners in the field
Lecture-based		**Learner-centric** and designed for interaction and collaboration
Large networking events with vendors		Small-scale opportunity to **truly connect with colleagues** in the same position at other institutions
Some slide presentations posted online after the event		**200+ page workbooks** with references, worksheets, articles, templates, exercises, and planning documents



96%
of past attendees would recomend an AI conference to a colleague

250+
***and growing* of AI member institutions (AI Pro)**

15,000+
higher ed professionals served

AI Conference Experiences

Academic Impressions provides valuable exploration of timely and pragmatic challenges to higher education institutions. The combination of impassioned subject matter experts as presenters and means of engaging conference attendees was potent.

- C. Tennent, Associate VP of Facilities Management, University of Saskatchewan

This conference was the complete package: relevant topics, philosophical and practical applications, fantastic speakers, fantastic location. One of the BEST conferences I've ever attended. It is what a conference should be! Full of collaboration, networking and solutions.

- M. Lowe , Associate Professor and General Reference Librarian University of Louisiana at Monroe

LOCATION

June 5 - 7, 2017 :: Denver, CO

HOTEL:

Marriott Westminster
7000 Church Ranch Blvd.
Westminster, CO 80021

To reserve your room, please call 720.887.1177. Please indicate that you are with the Academic Impressions group to receive the group rate.

ROOM RATE:

The rate is $172 for single or double occupancy, plus applicable tax.

ROOM BLOCK DATES:

A room block has been reserved for the nights of June 4, 5 and 6, 2017.

RATE AVAILABLE UNTIL:

Make your reservations prior to May 14, 207. There are a limited number of rooms available at the conference rate. Please make your reservations early. Rooms are subject to hotel availability.

ADDITIONAL INFORMATION:

The Marriott Westminster at Church Ranch is centrally located between Denver and Boulder and provides guests with a world-class choice when visiting our beautiful area. From the hotel, you'll notice the spectacular views of the Rocky Mountains and Flatirons.

TRANSPORTATION:

Uber / Lyft: Fare is approximately $50 one-way from the Denver International Airport (DEN). Rates will vary.

PLEASE FAX ALL REGISTRATION PAGES TO: 303.221.2259

PRICING (CIRCLE ONE)

Your registration fee includes: Full access to all conference sessions and materials, access to the networking reception on Monday, breakfast and lunch on Tuesday, and breakfast on Wednesday, as well as refreshments and snacks throughout the conference.

Bring your team!

For every two people you register from your institution, receive a third registration at 50% off of the registration price.

A $500.00 surcharge applies to registrants from corporations.

BEST VALUE	CONFERENCE	WORKSHOP	WITH AI PRO MEMBERSHIP
Conference + Post-Conference Workshop	Conference only	Post-Conference Workshop only	Get $100 OFF With Qualifying AI Pro Memberships Learn More
$1,595	$1,295	$395	$100 OFF

EARLY BIRD PRICING

Postmarked on or before May 19, 2017. For registrations postmarked after May 19, 2017, an additional $100 fee per registrant applies.

REGISTER ONLINE or on the next page.

PLEASE FAX ALL REGISTRATION PAGES TO: 303.221.2259

CONFERENCE REGISTRATION INFORMATION

Print Name | Job Title

Institution/Organization

What name do you prefer on your name badge? | Address

City | State/Province | Zip/Postal Code | Country

Telephone | Email

IF THIS CONFERENCE PARTICIPANT HAS ANY DIETARY OR ACCESSIBILITY NEEDS, PLEASE LIST THEM IN THE SPACE BELOW. WE WILL DO OUR BEST TO ACCOMMODATE THESE NEEDS.

How did you hear about this event? (email from AI, ACPA, colleague forwarded email, *The Chronicle*, etc.) _____

ADDITIONAL CONTACT INFORMATION

If you would like us to send a copy of your registration confirmation or receipt to someone else, please complete this section

Additional Contact Name | Contact Phone

Additional Contact Email | Additional Contact Title

EMERGENCY CONTACT INFORMATION

Emergency Contact Name | Emergency Contact Phone

PLEASE FAX ALL REGISTRATION PAGES TO: 303.221.2259

PAYMENT METHOD

We accept Visa, MasterCard, and American Express credit cards. To pay by check, include the check with this form or select the "invoice me" option. Fax form to 303.221.2259 or mail form along with payment to: Academic Impressions, 4601 DTC Blvd., Ste. 800, Denver, CO 80237

CREDIT CARD

Name on Card _____ Account Number _____

Billing Address _____ Billing City _____ Billing State _____

Billing Zip Code/Postal Code _____ Exp. Date _____ Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx) _____

AMOUNT TO CHARGE:_____

CHECK/INVOICE

☐ My check is included and covers _____ registration(s) Check # _____

☐ Please invoice me, Purchase Order #_____ (PO # not required to receive invoice)

HIGHER ED IMPACT

Delivered free to your inbox, Higher Ed Impact provides you with a full tool kit to help you monitor and assess the trends and strategic challenges likely to have an impact on your institution's health and competitiveness. (Check the boxes for the editions you would like to sign up for)

☐ DAILY**PULSE** - Scan current events, timely research, and notable practices at other institutions.

☐ WEEKLY**SCAN** - Review the week's most significant events and the most timely research in higher education, with key takeaways suggested by higher education's leading experts.

☐ **DIAGNOSTIC** - Get an enterprise-wide and in-depth look at a current, strategic challenge; identify steps to take and critical questions to address.

List the names of the registrants you'd like to sign up:_____

Learn more or sign up to receive Higher Ed Impact at: www.academicimpressions.com/news-sign-up

Note if you do not provide any names in the above space, all attendees will be signed up for the options selected.

CANCELLATION AND REFUND POLICIES

SATISFACTION PROMISE

We want you to be satisfied with your Academic Impressions learning experience. If the program you purchased fails to meet your expectations, please contact us within 30 days and let us know. We'll credit the full amount you paid toward another AI program that may better fit your needs.

CONFERENCES

For in-person conferences, substitute registrants are welcome and may be named free of charge at any time. If you cancel 8 weeks or more prior to the first date of the conference, you will receive a full refund, less a $100.00 service charge per attendee.

If you cancel within 8 weeks of the first date of the conference, you are not entitled to a refund. However, as a courtesy, we will allow you to apply your payment, less the service charge, toward a future purchase within one year from the date you cancel. Your payment is transferable to another person from your institution if you wish.

Please note that if you do not attend and you do not contact us in advance to cancel as described above, you are responsible for the entire payment. In case this event is cancelled, Academic Impressions' liability is limited to a refund of the registration fee only.

ONLINE TRAININGS CONSISTING OF AT LEAST ONE LIVE TRAINING DATE

You will receive a full refund (less a $75 service charge) if you cancel 8 weeks or more prior to the first live training date. If you cancel within 8 weeks of the first live training date, you are not entitled to a refund. But as a courtesy, we will apply your payment (less a $75 service charge) towards a future purchase within one year from the date you cancel. Your payment is transferable to another person from your institution if you wish. You may name a substitute primary participant free of charge at any time prior to the first live training date. If available, you may switch the live training format to a self-paced format (such as a CD-ROM Recording or On-Demand Download) free of charge. (Shipping charges will apply to CD-ROM Recording orders outside the U.S. or Canada.)

ONLINE TRAININGS WHICH ARE PURELY SELF-PACED

All sales are final. No cancellations or refunds are provided.

RECORDINGS, ON-DEMAND DOWNLOADS, MONOGRAPHS AND OTHER PUBLICATIONS

All sales are final. No cancellations or refunds provided.