



## 2020 Medical Design Forum 10 LU/ HSW + 1 LU HSW for tour Do No Harm: Caring for People Caring for the Planet

Thursday & Friday, February 6-7, 2020 | Mount Baker Community Club Seattle, WA 98144

*\* all sessions/speakers subject to change*

### Day I Thursday, February 6

#### 9:30 – 10:00 REGISTRATION + CHECK-IN

Coffee + tea available

#### 10:00 – 10:15 WELCOME + INTRODUCTIONS

Staff welcome by **Cassie Blair** | AIA Seattle

Committee welcome by **Architecture for Health Committee**

Sponsor welcome by **Darren Schwend** | notkin mechanical engineers

#### 10:15 – 11:15 OPENING KEYNOTE – 20/20 PERSPECTIVE ON HEALTHCARE: UNCOVERING MOMENTS OF TRUTH AND OPPORTUNITY | **Carl Fleming** | Healthcare Strategist & Technology Innovator, DPR Construction

#### 11:15 – 11:30 SHORT BREAK

#### 11:30 – 12:30 DESC HARBORVIEW HOUSING + HEALTHCARE

**Michele Wang**, AIA, LEED AP BD+C | Principal, Runberg Architecture Group

**Kent Gregory**, AIA | Principal, TGBArchitects

**Kate Baber** | Senior Manager of Healthcare Integration, DESC

#### 12:30 – 1:15 LUNCH + NETWORKING BREAK

#### 1:15 – 2:00 BETTER TOGETHER: VALUES-DRIVEN COMMUNITY PLANNING FOR A MORE SUSTAINABLE GRID

**Steve Moddemeyer** | Principal, Collins Woerman

**Tom Marseille** | Managing Principal Consultant, Integral Group

**Rhys Roth** | Executive Director, Center for Sustainable Infrastructure (CSI)

**Lisa McCrummen** | Director of Marketing & Strategic Partnerships, CSI

**Ted Sturdevant** | Consultant for CSI

**Jonathan Lewis** | Klickitat Valley Health (KVH)

#### 2:00 – 3:15 ENERGY PERFORMANCE: CODES, CULTURE SHIFTS, AND CREATING A SHARED VISION

**Duane Jonlin** | Seattle Department of Construction & Inspections

**Geoffrey W. Glass**, PE, CEM | Senior Manager of Energy & Sustainability, Providence St. Joseph Health

**Daniella Wahler** | Senior Associate, PAE

#### 3:15 – 3:30 SHORT BREAK

#### 3:30 – 4:30 CONCLUDING KEYNOTE – DESIGNING FOR HEALTH, THE POTENCY OF SCALE

**Breeze Glazer** | Co-founder, Principal, LEAP/STEP

#### 4:30 – 6:00 ON-SITE NETWORKING HAPPY HOUR | Sponsored by Elsom Cellars and Lagunitas Brewing

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### Day 2 Friday, February 7

- 8:30 – 9:00 **REGISTRATION + CHECK-IN**  
Coffee, tea + light breakfast available
- 9:00 – 9:45 **HIGH PERFORMANCE HEALTHCARE: REDUCING ENERGY, LEADING THE WAY TO NET ZERO** | **Heather Burpee** | Research Associate Professor, UW Integrated Design Lab
- 9:45 – 10:00 **SHORT COFFEE BREAK**
- 10:00 – 10:45 **ON THE BOARDS: SAMARITAN HOSPITAL MOSES LAKE**  
**Kim Ritter, LEED, AP** | Associate Principal, ZGF Architects  
**Joe Kunkel** | Owner/President, Healthcare Collaborative Group  
**Daniella Wahler** | Senior Associate, PAE
- 10:45 – 11:00 **DOH UPDATE** | **John Williams** | Manager at Construction Review Services, Washington State Department of Health
- 11:00 – 11:45 **SEATTLE CHILDREN'S TWO-CAMPUS MODEL: HEALTHY MOVES FOR HEALTHY PEOPLE**  
**Mandy Hansen** | Senior Director of Facilities Planning, Design, and Construction, Seattle Children's Hospital  
**Sara Howell, AIA, NCARB** | Principal, ZGF Architects  
**Colleen Groll, MSN, LEED AP BD+C** | Manager of Sustainability Programs, Seattle Children's Hospital
- 11:45 – 12:45 **LUNCH**
- 12:45 – 1:30 **DON'T DRINK THE TOILET WATER: A SERIES OF INNOVATION-FOCUSED LIGHTNING TALKS** | Topics and speaker bios on pp 9-10
- 1:30 – 2:15 **A TECHNOLOGY PRESCRIPTION FOR PRIMARY CARE** | **Brad Younggren, MD** | Chief Medical Officer, 98point6
- 2:15 – 2:20 **SHORT BREAK + TOUR REMINDER**
- 2:20 – 2:45 **INTRODUCTION TO THE UW LIFE SCIENCES BUILDING**  
**Andy Clinch, AIA, LEED AP** | Principal, Perkins & Will  
**Devin Kleiner, AIA, LEED AP** | Senior Project Architect & Senior Associate, Perkins & Will  
**Shanni Hanein, LEED GA** | Arch III, Perkins & Will
- 2:45 – 3:00 **CONCLUSION AND LEAVE FOR TOUR → W Stevens Way NE, Seattle, WA 98195**
- 3:45 – 4:45 **TOUR: LIFE SCIENCES BUILDING AT UNIVERSITY OF WASHINGTON** *\*RSVP required\**  
Guided by **Andy Clinch, Devin Kleiner, Shanni Hanein, Perkins & Will**

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### KEYNOTES



#### **Carl Fleming, Healthcare Strategist & Technology Innovator, DPR Construction |** Carl

Fleming is the proud dad of two beautiful girls under the age of 10 and a certified Wildman who's never met a stranger. He's the National Healthcare Strategy leader at DPR Construction and has a penchant for exploration and a love for dogs, technology and people... quite possibly in that order. He has devoted his career to healthcare strategy and is an industry leader in technology visioning and planning, with expertise in developing innovative solutions to enable evolving care models in both the built and digital environment. Carl's focus centers on guiding healthcare

organizations to think creatively about solving tomorrow's challenges through continuous improvement; encouraging providers to go beyond best practices and explore newer, better ways of engaging patients, and improving care outcomes. Employing a human-centered approach, Carl seeks to discover varied perspectives to understand organizational challenges and define solutions to support the complex patient care landscape.



#### **Breeze Glazer, Co-founder, Principal, LEAP/STEP |** Breeze Glazer is a Principal and

cofounder of LeapStep, an interdisciplinary high-performance design consultancy providing services to design firms and facility owners to improve the performance of buildings. In just over a year, LeapStep has led a range of projects including the campus-wide carbon neutrality strategy for UC Davis Medical Center, a high performance and net zero multi-building project for Partners Healthcare and a net zero building supported by the Buffett Foundation. Breeze has managed or led the sustainable design and LEED certification efforts for more than 100

projects in his career including most notably the LEED Platinum Lucile Packard Children's Hospital Stanford. Prior to founding LeapStep he held various leadership in sustainability positions for over a decade at Perkins+Will including Research Knowledge Manager, Sustainable Design Leader New York and the firmwide Sustainable Healthcare Leader. Breeze has previously taught and served as Director of a Healthcare Design Graduate Program at the New York School of Interior Design.

### PRESENTERS + PANELISTS



#### **Heather Burpee, Research Associate Professor, UW IDL |** Heather is a nationally recognized

scholar in high performance buildings. Her work bridges practice, research, and education with collaboration between practitioners, faculty, and students. Her research addresses both qualitative and quantitative aspects of buildings including tracking health impacts and synergies between environmental quality, natural systems, sensory environments, and energy efficiency. She has led several efforts to create protocols for performance-based tracking and auditing for hospitals, higher education, and commercial buildings including the nationally recognized Targeting 100! roadmap. She regularly applies these roadmaps in practice, consulting with leading design teams nationally that are charged with implementing high performance buildings. Heather is a Pacific

Northwest native and received her Master of Architecture degree from the University of Washington College of Built Environments and her undergraduate degree in biology from Whitman College.

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of Washington.

**Kate Baber, Senior Manager of Healthcare Integration, DESC** | Kate Baber is the Senior Manager of Healthcare Integration at Downtown Emergency Service Center (DESC) in King County, WA. DESC is a multi-service organization that provides permanent supportive housing, comprehensive behavioral health services, and crisis services for people experiencing homelessness who have behavioral health disabilities. Prior to joining DESC, Kate worked for over a decade to advance state-level healthcare, affordable housing, and human service policies at the Washington State Health Care Authority, Washington Low Income Housing Alliance, and the Statewide Poverty Action Network. Kate holds a Master of Social Work degree from the University



**Andy Clinch, Principal, Perkins & Will** | Andy is a project manager and designer with 22 years of experience with a focus on higher education and science and technology projects. He has extensive experience leading complex projects of all sizes and types through programming, design and construction administration. His leadership and management skills aid in guiding a successful team through all phases of a project to fulfill the client's goals and objectives. Andy has worked with various delivery models including Public Private Partnerships (P3), Progressive Design-Build, Design-Build, and Construction Management/General Contractor (CM/GC).



**Geoffrey W. Glass, PE, CEM, Senior Manager of Energy & Sustainability, Providence St. Joseph Health** | Geoff is a member of a Team that is working to advance Providence goals for environmental stewardship across its health system. He is a representative for Providence to the Washington Health Care Climate Alliance where he is working to advocate for hospitals in the establishment of informed energy efficiency metrics for HB1257 - the Clean Buildings Law. Geoff has dedicated his career to developing and maintaining high performance health care facilities - having improved the facility operations of four large medical facilities in western Washington. He brings a perspective of both knowledge of engineering codes and the practical reality of operating health care facilities.



**Kent Gregory, AIA, Principal, TGBArchitects** | A founding Principal of TGB Architects, Kent Gregory has nearly 40 years of experience as a practicing architect. His background in healthcare design has developed a deep sensibility in how to engage large and diverse client groups and draw out insight and consensus. While he has a deep experience base in architectural design, he also follows his curiosity into other related disciplines such as Lean process, Change Management and Social Labs with a sense of fascination about how these approaches can change and improve the built environment. He approaches design problems with a posture of inquiry and the desire to draw wisdom from those who live, work and visit the places to be created.



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**Colleen Groll, MSN, LEED AP BD+C, Manager of Sustainability Programs, Seattle Children's Hospital** | Colleen Groll is the Manager of Sustainability Programs for Seattle Children's. She has led programming and engagement across the organization since 2013 for energy, water and waste reduction, green purchasing, and healthy food and sourcing. Children's was named one of the Top 25 for Environmental Excellence in 2015, 2016, 2017, and 2018 by Practice Greenhealth, their highest honor. Colleen had a career as a nurse practitioner in primary care and oncology prior to making the transition into sustainability.



**Mandy Hansen, Senior Director of Facilities Planning, Design, and Construction, Seattle Children's Hospital** | As Senior Director of Facilities Planning, Design, and Construction, Mandy Hansen is responsible for all master planning activities, capital renovation/expansion projects, and move/add/change services for Seattle Children's Hospital. Mandy has partnered with senior leadership to develop iterative master plans for both administrative space and the main hospital campus. She brings a unique perspective to planning, design, and construction services with a background in Lean consulting and process improvement, and she has worked on numerous

projects using Integrated Facilities Design (IFD) methodology, which applies Lean principles to master planning and space design.



**Sara Howell, AIA, NCARB, Principal, ZGF Architects** | Sara Howell is an architect with nearly 20 years of experience collaborating with and leading project teams, including consultants and clients, throughout all project phases – from programming and pre-design through construction administration. Her experience on complex project types informs innovative design solutions for a variety of healthcare projects, ranging from master plans to inpatient unit renovations within operational hospitals. She has worked closely with Seattle Children's over the last five years.



**Shanni Hanein, LEED GA, Arch III, Perkins & Will** | With seven years of experience, Shanni is a thoughtful, thorough and creative designer with experience working with universities as a job captain and construction administration. She has been involved with all different phases of a project from conceptual design to programming to construction administration. Her organization skills and collaborative nature is valuable to ensuring integration of all the building systems through the BIM process. Her attention to detail, ability to integrate multiple disciplines and problem solving are great for providing the client with a conduit to success of implementing the functional needs of the users with the design intent of the project.



**Duane Jonlin FAIA, Energy Code and Energy Conservation Advisor, Seattle Department of Construction and Inspections** | Duane Jonlin is the "Energy Code and Energy Conservation Advisor" for Seattle's Department of Construction and Inspections, and for the past eight years chaired the Technical Advisory Group developing the Washington state energy code for the State Building Code Council. At the US federal level, he is a voting member of both the ASHRAE 90.1 Committee and the ICC Commercial Energy Code Committee. Prior to taking his position at the City of Seattle, Duane was a principal at NBBJ, with 30 years' experience designing complex projects as a technical architect. He is a featured speaker nationally on issues of energy

efficiency and energy regulations, and in 2016 was elected to the American Institute of Architects College of Fellows.

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**Devin Kleiner, AIA, LEED AP, Senior Project Architect & Senior Associate, Perkins & Will** | With over 18 years' experience, Devin leads the Sustainable Design Initiative for their Seattle office. He has worked on numerous sustainable projects, receiving awards including the AIA Seattle Energy in Design Award, AIA Washington Civic Design Awards, the Society for College and University Planning (SCUP), the Association of College Unions International (ACUI), and the Living Building Challenge competition. In addition to leading the "Green Team" in our Seattle Studio, Devin is involved in numerous community organizations outside

of the office. He is a past president and current active member for the University of Washington Professionals Advisory Council.



**Joe Kunkel, Owner/President, Healthcare Collaborative Group** | Joe Kunkel is the President, and Co-Founder of The Healthcare Collaborative Group. Joe has over 25 years of leadership in all facets of health care management. He is expert in the areas of strategic planning and development, finance, operations, new hospital development, ambulatory care, board and community management. Joe has the unique distinction of leading and being involved in the development of 9 new hospitals in the Pacific Northwest, 4 of which are Critical Access.



**Tom Marsaille, Managing Principal Consultant, Integral Group** | An award-winning engineer and industry thought leader, Tom's passion is integrated systems design and the delivery of best-in-class, performance outcomes for building owners and occupants. He brings future-ready expertise to clients, including smart building consulting, clean energy strategic planning and innovative next-generation district-scale approaches. Tom emphasizes sustainability on all his projects, ultimately fostering solutions that are practical, maintainable, healthy, resilient and resource-responsible. Tom is an author, frequent speaker and facilitator, and currently sits on

the AIA Seattle Board of Directors. He was previously a member of the ILFI/Cascadia Board of Directors and City of Seattle Living Building Technical Advisory Group. Tom served as a moderator, presenter and content developer for the AIA+2030 Professional Series and AIA Getting to Zero Professional Series. Formerly, Tom was also a Senior Research Scientist for Pacific Northwest National Laboratories and Director of Technology and Analytic Services for Honeywell's Building Information Services business.



**Lisa McCrummen, Director of Marketing and Strategic Partnerships, Center for Sustainable Infrastructure** | Lisa McCrummen is Director of Marketing and Strategic Partnerships for the Center for Sustainable Infrastructure (CSI). With nearly 25 years of experience in marketing, campaign and partnership strategy and development, Lisa is focused on creating a resiliently better future by helping build understanding and support for game-changing ideas and projects. These have included Pew Charitable Trusts' international conservation campaigns and helping launch one of the most successful rural jobs and clean energy infrastructure initiatives in the country.

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**Steve Moddemeyer, Principal, CollinsWoerman** | Steve is a sustainability, resilience, and land use strategist with more than 28 years of experience leading governments, land owners, and project teams towards increased sustainability. He specializes in creating tools and policies that lead to resilient infrastructure systems for buildings, neighborhoods, cities and new town developments. He has extensive experience with complex public/private development issues and the development of sustainable strategies for major capital improvement projects. He brings both public and private sector experience: 3 years with the S'Klallam Indian Tribe as an environmental planner; 14 years with the City of Seattle as a senior policy advisor on infrastructure and land use; and 10 years with CollinsWoerman serving the last 8 years as Principal for Planning, Sustainability, and Resilience.



**Kim Ritter, LEED AP®, Associate Principal, ZGF Architects, LLP** | Kim has 20 years professional experience focused on healthcare design. Adept in all aspects of project development and delivery, from master planning and programming through construction administration, Kim has a passion for quality and design excellence, grounded in understanding of building materials, systems and construction. Kim has served on the Steering Committee for the Architecture for Health Panel, on the Functional Program Work Group for the Washington Department of Health Construction Review Services, and participated in the selection committee for the Healthcare Design Awards.



**Rhys Roth, Executive Director, Center for Sustainable Infrastructure** | Rhys Roth is Executive Director of the Center for Sustainable Infrastructure (CSI) in Olympia, WA which is helping to bring innovation, new tools, and sustainability excellence to infrastructure planning and investment in the Pacific Northwest. Rhys authored CSI's influential inaugural report, [Infrastructure Crisis, Sustainable Solutions](#) and the first and second 5 Big Goals for 2040 CSI reports, [Rewiring the Northwest's Energy Infrastructure](#) and [A Northwest Vision for 2040 Water Infrastructure](#). Prior to founding CSI, Rhys co-founded and helped lead for over 15 years the non-profit group Climate Solutions.



**Michele Wang, AIA, LEED AP BD+C, Partner, Principal, Runberg Architecture Group** |

Michele has more than 20 years of design experience in civic spaces, and residential and commercial buildings. At Runberg Architecture Group, she provides leadership on design issues and engages closely with her clients and the community to gain an understanding of their goals for the project. As a principal in charge with a focus on affordable housing, Michele has led award-winning designs executed within constrained budgets. Some of her teams' notable projects include the Tony Lee, Marion West, Abbey Lincoln, and the new An Lac Apartments. Michele

received a bachelor's degree in Physics from Massachusetts Institute of Technology, and her master's degree in Architecture from the University of Washington. She has served as a volunteer member of the City of Seattle Southeast Design Review Board and is an occasional guest critic at UW's Department of Architecture. In 2019, she was named a Housing Hero by the Low-Income Housing Institute.

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**John Williams, Manager at Construction Review Services, Washington State Department of Health** | John has 20 years of experience with healthcare design and regulation. He is the chair of the International Code Council's Ad-Hoc Committee for Healthcare. He also serves on technical committees for FGI Healthcare Guidelines Revision Committee, NFPA 99, and the Washington State Building Code Council.



**Daniella Moreano Wahler, PE, LEED AP, Senior Associate, PAE** | Daniella has over a decade of experience in designing mechanical systems for a variety of project types including healthcare, higher education, commercial offices and laboratories. Particularly skilled in HVAC and plumbing layouts, diagrams and central plant design, she brings an unsurpassed attention to detail and a holistic understanding of the design of and integration with campus systems to her project teams. Her business development skills grant Daniella the ability to effectively communicate with clients and team members alike contributes to improved team cohesion and a project's successful completion. Passionate about creating better places to heal and work, Daniella is deeply involved in the design and construction healthcare community, including serving on a planning task force through the AIA that hosts healthcare design events.



**Brad Younggren, MD, Chief Medical Officer, 98point6** | Brad joined 98point6 in 2017 as chief medical officer. Prior to his role at 98point6, Brad spent nearly 20 years working as a physician and has served as chief medical officer at Cue, Shift Labs and Mobisante. Brad still works as an emergency physician at EvergreenHealth and is their medical director of emergency preparedness, trauma and urgent care. He received his bachelor's degree from UCLA and his medical degree from the Uniformed Services University of the Health Sciences. Brad also earned both a Bronze Star and the Combat Medic Badge for his service in Iraq as a U.S. Army physician.



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#### LIGHTNING TALKS



**Andy Drissell** is an Associate and Project Architect and Mahlum with eight years of experience across a broad range of medical projects, with particular expertise in linking design outcome to research and user engagement strategies. He is passionate about patient-centered design and the unique role architecture plays in creating spaces that promote healing and well-being. His work with Northwest Kidney Centers has embraced biophilic design as a means to improve patient health outcomes.

- **Biophilic Clinic Design for People and the Planet** | *Biophilic design strategies (rooted in research) can be used to improve outcomes for patients, staff, and the environment.*



**Chris Gerrick AIA**, is a Principal at Olson Kundig. Since joining the firm in 2003, Chris developed a proficiency in design through all project phases and scales, with a focus on exploring graphic representation techniques to convey design ideas. Chris's design work with partner Tom Kundig has been recognized with both national and international design awards, published in The New York Times and Architectural Record and exhibited at the University of Washington and TOTO Gallery MA in Tokyo, Japan. Chris earned a Certificate in Digital Design and Fabrication from the

University of Washington, a Master of Architecture from Rice University and a Bachelor of Science in Architecture from the University of Michigan.

- **Envisioning Light: Daylighting Design Strategies** | *Designing for daylight can improve both staff and patient wellness in an environment dedicated to providing eye care and improving vision.*



**Chelsea Guenette** is a mechanical engineer specializing in energy modeling and analysis, including City of Seattle Code compliance modeling. She is also proficient in HVAC sheet metal and hydronic systems design. Passionate about sustainable systems, Chelsea uses a holistic approach in her work, where analysis informs both architectural and mechanical design to meet high-performance goals. Chelsea has a master degree in mechanical engineering; her

thesis was related to Passive Building technology. She also has nearly 5 years of experience in Montana State's HVAC research laboratory, where she taught a thermal process lab covering HVAC fundamentals. Chelsea strives for transparent communication across all disciplines throughout the life of a project to help ensure success.

- **Avoiding Analysis Paralysis in Envelope Optimization** | *How you communicate data is just as important as the results.*

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**Sean Lawler** began his consulting career working with historic preservations, museums, and performing arts centers but since joining AEI in 2011 has migrated to healthcare and clinical research laboratory design. His major projects as lead mechanical engineer have included the 640,000 sf BC Children’s Teck Acute Care Centre and the 490,000 sf Seattle Children’s Research Institute Building Cure. His mechanical design focuses have included advanced heat recovery, steam systems, fuel systems, and specialty exhaust systems. Sean has also been an active member of AEI’s Resilience+ initiative by co-authoring articles and speaking at conferences. As a project manager and engineer he has executed several projects using variations of integrated project delivery methods including shared design and design-assist.

- **Topic: All-Electric Healthcare** | *The industry is trending towards net-zero energy and carbon neutral buildings. Healthcare is no exception.*



**Peter Sloan** is a Principal at Notkin Mechanical Engineers passionate about uncovering sustainable design strategies that improve building resilience and reduce energy consumption. He leads Notkin’s “Net Zero Task Force” to research and deploy new technology and engineering concepts that reduce facility reliance on fossil fuels and accomplish carbon neutral operations. Peter is a 2007 graduate from the University of Washington. In addition to his professional engineering license, he holds accreditation as a LEED professional from the US Green Building Council and as a Guiding Principles Compliance Professional from the Green Building Initiative. Peter is also an ASHRAE Building Energy Modeling Professional (BEMP).

- **Synergies Between Patient Care & the Clean Building Law: Relating future energy reduction mandates to current hospital administration goals** | *Clearly communicate to healthcare administrators the benefits of investing in improvements that both reduce energy AND improve critical metrics for patient and provider comfort and safety, plus facility reliability and resiliency.*