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Phil was born and educated in England, becoming a licensed architect and Chartered Member of the RIBA, after which he pursued post-graduate research in environmental physics and energy conservation at the University of Wales Institute of Science and Technology. Phil worked as a Senior Research Architect as a member of the R&D Team at the Oxford Regional Health Authority, UK, developing advanced industrialized systems for construction, and computational design tools and construction methods (OXSYS BDS and Oxford Method 6M) for improving the design and long-term performance of hospitals and UK National Health Service real estate assets. Phil & his wife, Lauren live in Scottsdale, Arizona. He holds dual UK and US Citizenship.

Columbia University and US Government Service

Winning a Queen Elizabeth II Silver Jubilee Scholarship, Phil studied public health at Columbia University, New York earning a master of science in health services planning and design. He then served for two years as a Public Health Service Fellow with the U.S. Department of Health and Human Services, Office of the Surgeon General, in Washington, D.C. Phil's work included investigating the economic impacts of Hill-Burton hospital construction regulations on the Medicare and Medicaid programs and the regulatory and economic impact of Magnetic Resonance Imaging (MRI) and Positron Emission Transaxial Tomography (PETT) on patient outcomes and Medicare trust funds.

Private Sector Career – United States

Following US Government service, Phil's diverse career has spanned the fields of architecture, public health, management consulting and system dynamics, where he attained leadership positions with global management consulting firms including EDS, A.T. Kearney and SAIC, and also as the Vice President and Director of the Health Planning Division of the major international architecture, urban planning and engineering firm of Perkins and Will. As Chief Analytics Officer and then later as CEO of a Blue Shield of California data analysis and clinical pattern analysis subsidiary, Phil and his team worked with the Board and Senior Executives of several prominent US health insurance corporations to improve the effectiveness of insurance coverage and reduce premium loss rates. Their use of geo-coded 3D visualization of complex insurance analytics enabled better operational and governance decisions. These visualizations also began to depict the relationships between human habitat and expensive chronic disease patterns resulting from the environments where people lived. Phil's clinical and business analytics team also worked with law enforcement and the Office of the US Inspector General on issues pertaining to Medicare and private insurance fraud & abuse.

CEO and President of the Frank Lloyd Wright Foundation, Taliesin West, Arizona

Phil and his family moved to Arizona in 2006 for his position as President and CEO of the Frank Lloyd Wright Foundation and also President of the Frank Lloyd Wright School of Architecture until 2010. He led major changes to the Foundation's strategy, governance structure and finances and the re-accreditation by the US National Architectural Accreditation Board (NAAB) of the Frank Lloyd Wright School of Architecture. While CEO of the Foundation, Phil developed new partnerships and alliances to bring the value and principles of Wright's work to attention of broader audiences dealing with sustainable development, human habitat and architecture's role in enabling and shaping resilient communities. These partnerships included the Solomon R Guggenheim Foundation with whom he co-curated a major exhibition, "Frank Lloyd Wright, From Within, Outward" which ran from May 2009 through May 2010 in New York and Bilbao. Other partnerships included the Thunderbird School of International Business, the University of Wisconsin's Nelson Institute of Environmental Studies, the Hispanic Chamber of Commerce and The Conservation Fund.

Natura Materials Corporation-Regenerative Systems for Carbon Neutral Communities -

Natura products (complete human habitat structures and associated landscapes) integrate the design, manufacture, fabrication, and assembly of human habitats using biomass products liberated from forest restoration and industrial hemp waste streams – an approach radically different to the prevailing norm in real estate development and construction but commonly employed in advanced manufacturing in other sectors. The global challenges of climate change bring this work into sharp focus with the increasing need to rethink human habitats as ecological and technological systems providing energy, food and water security rather than mere real estate commodities. Phil has been focused on applying advanced computational design, visualization and simulation systems to enable the effective integration of agricultural and forest restoration waste streams for new categories of construction technologies.

ORBIS Dynamics – Applying the field of complex systems to transform

Phil's role as the CEO of ORBIS Dynamics is to drive the company's vision and, with its multi-disciplinary leadership team, develop groundbreaking 3D visualization and simulation software for the unmet needs of urban professionals and policymakers in public and private sectors globally. The company's primary goal is to deliver and curate new generations of geospatial simulation software that inspire and enable clients to benefit from collaborative discovery for better, more livable urban futures. Phil's continuing professional work and research has been focused on the application of complex and adaptive systems for improving the spatial DNA of cities, addressing ballooning ecological, social, and economic

crises arising from urban growth and intensifying climate challenges. Recognizing that cities the world over are facing enormous challenges that we know need to be met and overcome, Phil has spent the past year developing the company's urban Observatory offering. Meeting the scale and longevity of the complex interrelated challenges that cities face and figuring out the ways and means for overcoming them and shaping urban futures for far greater resilience and livability in the future requires:

- Persistent strategic efforts which engage in discovery, collaboration and communication
- Advanced analytics and simulation technologies and professional experience
- New ways of communicating to broad constituencies the future courses of action needed to address known problems and overcome unforeseen events, natural or man-made

Board Experience

Since 2005 Phil has been actively engaged in serving on several Boards of non-profit organizations including but not limited to those in the field of architecture (Frank Lloyd Wright Foundation and RIBA-USA), Historic Preservation and Nature Conservation (The Mesa Preservation Foundation and The Sonoran Institute), and public policy (Greater Phoenix Green Chamber of Commerce, and the General Plan Commission for the City of Scottsdale).

Teaching, Research, Public Policy and Human Habitat

Phil continues to be directly involved in shaping public policy pertaining to physical environments and urban infrastructure as a Senior Global Futures Scientist and Adjunct Professor at the Julie-Ann Wrigley Global Futures Institute at Arizona State University in Tempe, Arizona. Phil's policy work includes serving as Vice President and member of the executive team for MESA Indian Development Group (a Gila River Indian Community corporation devoted to increasing tribal economic sovereignty through economic development and cultural integrity). He is also working with Warrior Code, a Native American non-profit behavioral health organization bringing technology and design skills to disconnected youth, veterans and returning offenders. A current project involves reshaping Native American housing through technology and simpler supply chains to address cultural, climate and ecological priorities ignored by current HUD housing solutions.

Education, Professional Affiliations & Awards

- D.Arch (First Class Honors) - Kingston University School of Architecture, London, UK
- M.S., Health Services Planning and Design (thesis in public health and US regulatory policy) - Columbia University, New York.
- UK Science Research Council Award for post graduate research in Environmental Physics and Energy Conservation- University of Wales Institute of Science & Technology, Cardiff, Wales.
- Queen Elizabeth II Silver Jubilee Award – for study & policy research in the health care field.
- Chartered Architect and Member the Royal Institute of British Architects (RIBA).
- U.S. Public Health Service Fellowship, Office of the Surgeon General and the Secretary of Health and Human Services, Washington, D.C.
- Admitted to the Fellowship of the Royal Society for the Arts, Manufacture and Commerce (FRSA), London.
- Certified Sustainable Building Advisor (CSBA), Sustainable Building Advisor Institute, Washington State, a one-year course with certification examinations passed in November 2012.
- Adjunct Professor, Arizona State University, Global Futures Institute, Arizona, 2014-present.
- Senior Global Futures Scientist, Julie Ann Wrigley Global Future Institute, Arizona State University, Tempe, Arizona, 2014-present.

Current Non-profit Board Memberships & Public Service Roles.

- Board Member – EarthGives.org – (<https://www.earthgives.org/>) 2021-Ongoing
- RIBA USA Board Member, Chair RIBA USA Education and Professional development Committee, 2020-Present.
- President, Royal Institute of British Architects USA (Americas Region), 2016-2020
- Vice President of the Board of Trustees, RIBA USA, 2009-2016.
- Trustee, The Mesa Preservation Foundation, Mesa, Arizona, 2015-Present
- Commissioner, City of Scottsdale General Plan Task Force. 2013-2016
- Conference Committee, Annual Arizona Historic Preservation Conference, Arizona State Historic Preservation Office (SHPO), Mesa, AZ, June 12-14, 2013
- Member, Phoenix Mayor Greg Stanton’s Sustainability Advisory Committee, 2012-2014.
- US Delegate – The Healthy Cities Conference Series, Australia and Asia-Pacific region, 2010-2013
- Director, The Sonoran Institute, Tucson, Arizona, 2010-2013.
- Director (Treasurer), Local First Arizona Foundation – 2009-2013.
- Chairman: The Green Chamber of Commerce: Greater Phoenix – 2010-2011

Selected Academic Collaborations and Teaching.

- University of Plymouth, UK (Environmental Research Group) – building science and earth-based construction technologies
- University of Oregon, Historic Preservation Program, Eugene, OR
- Arizona State University, Julie-Ann Wrigley Global Futures Institute, and the ASU School of Sustainability, Tempe, AZ
- Kingston University, School of Architecture, London, UK
- Paradise Valley Community College, Health Science/Sustainability, Phoenix, AZ
- Thunderbird School of Global Management, Glendale, AZ
- Institute of Advanced Architecture of Catalonia, Barcelona, Spain
- University of Wisconsin, Nelson Institute of Environmental Studies, Madison, WI

Skills and Technologies

- Human Habitat and Wellbeing (economics technology and public health)
- Public policy and regulatory analysis & research
- Public speaking and writing
- BIM Technology (expert user), Graphisoft's ARCHICAD (versions 9 through 24), EcoDesigner Star energy modeling, database extraction algorithms for materials quantities and financial performance simulation – real estate and costs of occupancy.
- Computational and Generative Design technology (Rhino, Grasshopper-parametric design algorithms)
- Laser Point Cloud data analysis and manipulation for creating HABS (Historic American Building Survey) documentation of existing structures, neighborhoods and landscapes
- System Dynamics including expert use of iThink™ and Stella™ system dynamics simulation software.

Selected, Lectures, Speaking Engagements & Keynote Addresses

Dynamic Digital Twins – the application of complex systems theory and technologies to transform urban policy and the resiliency of urban regions globally. VerdeXChange 2023 Conference, Los Angeles, CA, May 2, 2023

Building Together – Worldwide video conference – “Places for human being: Restructuring supply chains and technologies” Graphisoft corporation

City of Phoenix Housing Development – “Shaping our physical surroundings for life” – December 2020

Arizona State University, Sustainable Development Lecture Series – May 2020

Royal Institute of British Architects Global Affinity Group Lecture Series “Repositioning Architecture as a Public Health Endeavor for a post-Pandemic Future”. April 2020.

- “By-Design – An Original Digital Series; Season 2” Airs August 20, 2018. Graphisoft Corporation (www.graphisoft.com/bydesign).
- “Ethics and the New Urban Agenda.” RIBA-USA Panelist at the 2018 American Institute of Architects Convention, New York City, June 22, 2018.
- “Ethical and Technological Imperatives for de-marginalizing the Architecture profession.” Architecture-Lobby Symposium, New York City June 23, 2018.
- “Point Cloud Data and BIM Technology: Challenges of smart element extraction into BIM formats.” University of Southern California BIM Conference, Los Angeles, June, 2017.
- “Designing for Life: the ethical foundations of architecture in the 21st Century. Presentation delivered to RIBA-USA’s 20-year anniversary event, New York City, August 3, 2016.
- “Philomathic School Design; creating places where a love of learning can flourish.” Lecture Series for the City of Scottsdale Unified School District, Parent-teacher associations and Boards. Focus on aligning design to pedagogical strategies and child-centric approaches to school security and safety, 2016-present.
- “How and where are our children learning? An examination of teaching, learning and environmental issues affecting children at school.” Scottsdale Unified School District; management and parents’ school budget working group. Scottsdale, March 16, 2016.
- “Learning environments and sustainability.” Chancellor’s Sustainability Summit: Maricopa Community College Leadership, Strategy, & Structure, Tempe, AZ, March 8, 2016
- “Energy, Human Habitat and Wellbeing.” Lecture to the Scottsdale Chamber of Commerce, Feb 9, 2016, Scottsdale, Arizona.
- “Digitally Recording History: Laser Scanning our Built Environment.” Arizona Historic Preservation Conference, Phoenix, AZ, June 9, 2016.
- “Science meets History: Laser Scanning the Arizona State Fair’s Grandstand.” Public workshop, Arizona Preservation Foundation, Phoenix, AZ, September 2, 2015.
- “Capturing As-Built Data with Light: Importing and Using Point Cloud Files from Laser Surveys,” Masters in ARCHICAD Symposium. World Wide Webinar, Feb 4th, 2016.
- “Using Drones, Laser Scanning and Point Clouds to Create Measured Drawings in your ARCHICAD Model.” Graphisoft Worldwide Live Webinar, December 8, 2016. http://www.graphisoft.com/info/news/press_releases/graphisoft-hosts-live-online-webinar-energizing-heritage-conservation-with-archicad-point-clouds-and-bim.html
- “Training in Community Planning for the Navajo Nation,” Invited Speaker. School of Geographical Sciences and Urban Planning, Arizona State University, Tempe, AZ, June 25, 2015. Specific topics include: Housing Issues, Master Site Planning and

Design Tools.

“Human Habitat, Public Health and Wellbeing.” Lecture at Arizona State University’s Global Institute of Sustainability, March 2014

“Adapting to Climate Change”, Speaker and expert panelist, 2013 GoGreen Conference, Phoenix, Arizona.

“Human Habitat, Public Health and Public Policy.” Keynote address to the 5th Annual Daylight Symposium, Copenhagen, Denmark, May 15, 2013 organized by the Royal Danish Academy of Fine Arts, the Royal Danish Academy of Sciences and Velux Corporation.

“Strengthening Culture and Commerce: An Urban Acupuncture Approach to Historic Preservation.” Joint presentation with Dr. L. B Allsopp, Professor of Historic Preservation, University of Oregon, at the Arizona 2012 Historic Preservation Conference, Hassayampa Hotel, Prescott, Arizona, June 14, 2012

“Sustainable Communities: Key Drivers & Challenges. Review of current US initiatives in Active Living and Sustainability with a special focus on the Phoenix Metropolitan Region” Keynote speech - Healthy Cities Conference, Geelong, Victoria, Australia, June 6-8, 2012.

“Sustainable Communities: Key Drivers, Challenges and Opportunities.” Lecture to Faculty and Ph.D. students. University of Oregon Department of Architecture, Landscape and Historic Preservation, May 24, 2012. Eugene, Oregon.

“Sustainable Communities: Key drivers and Challenges”, ASU American Indian Science and Engineering Society Regional Conference, March 28-March 31, 2012, Tempe, Arizona.

Expert Panelist - “Financing Sustainable Business Practices”, GoGreen Conference, Phoenix, AZ, November 15, 2011.

“Solar Power – My Way: Global issues and local challenges for Re-shaping and retrofitting suburbia.” City of Scottsdale Green Building Lecture Series, Scottsdale, September, 2011, Scottsdale, Arizona.

“Doing the Counterintuitive Thing: Habitat as a catalyst for Healthy Communities and Innovation in a Transitioning Economy” Phoenix Community Alliance, August, 2011.

“Doing the Counterintuitive Thing: Habitat as a catalyst for Healthy Communities and Innovation in a Transitioning Economy” Keynote address, 4th Annual Healthy Cities Conference at UNESCO’s Noosa Biosphere, Queensland, Australia, July, 2011.

Expert Panelist, “Green Gurus: On Sustainable Housing and Retrofitting Homes.” City of Mesa, AZ, July 2011.

- “Measuring the External Impacts of Business Activity”, Presentation to the Indo-American Chamber of Commerce, ASU University Club, Tempe, Arizona, December 12, 2010.
- “Dimensions of Sustainability – linking business, commerce and energy with urban and suburban realities.” Lecture to graduates and faculty at Thunderbird School of Global Management, Glendale, AZ, July 30, 2009.
- “Urban Policy and Public Health.” Presentation to the Arizona Chapter of the American Planning Association Convention, Phoenix, Arizona, August, 2010.
- Historic Preservation - Its key role in economic revitalization and development”, 2010 Historic Preservation Partnership Conference, Flagstaff, Arizona, May 13, 2010.
- “Urban Policy and Public Health.” Lecture to faculty, graduate students, invited politicians and the public, Institute for Advanced architecture of Catalonia, Barcelona, Spain. Sponsored by the City of Barcelona, November 15, 2009.
- “Design For Life: place-making and the impediments of American regulatory environments.” DesignBoost 2009, International Conference Malmo, Sweden. Sponsored by the City of Malmo and Malmo University, Sweden, October 15, 2009.
- “Linking Public Health to our Environment and Urban Settings.” League of Conservation Voters, Phoenix, AZ, August 28, 2009.
- “Dimensions of Sustainability – linking business and commerce with urban and suburban realities.” Thunderbird School of Global Management, Glendale, AZ, July 30, 2009.
- “Challenges for Preserving a Sense of Place and Community.” The Seventh Annual Arizona Statewide Historic Preservation Partnership Conference entitled “Arguing For Preservation; Building A Case For Communities.” Hyatt Regency Hotel, Phoenix, Arizona, June 18-20, 2009.
- “Frank Lloyd Wright in the 21st Century – The Challenges before Us.” Solomon R. Guggenheim Symposium “Now What Architecture?” May 15, Peter B. Lewis Theatre, Sackler Center for Arts, The Solomon R. Guggenheim Museum, New York, New York. Video available from author upon request. May 15, 2009.
- “Smart Development; Addressing the Challenges – Preserving The Wright Legacy.” Urban Land Institute’s Conference entitled “Smart Growth Pays.” Tempe Center for the Arts, Tempe, Arizona, March 19, 2009.
- “Lime and its Place in 21st Century Preservation: Combining Tradition with Science,” The National Lime Association, Orlando, FL, March 9-11, 2005
<<http://www.limes.us/wp-content/uploads/2013/04/LimeAssociation.pdf>>.

Selected Publications

Allsopp, Philip D. "Le Projet de la "Nouvelle Babylone" de Frank Lloyd Wright", Essay about Frank Lloyd Wright's master plan for the city of Baghdad, 1957, which was presented at the Louvre Museum, Paris, April 19, 2008. Published by the Louvre Museum in 2014.

Allsopp, Philip D., et.al. "Daylight and Architecture," Volumes 17 and 18, Velux Corporation – Three City Profiles (Rio, London and Phoenix).

Allsopp, Philip D. "Doing the Counterintuitive Thing: Habitat as a catalyst for Healthy Communities and Innovation in a Transitioning Economy" Video of Keynote address, 4th Annual Healthy Cities Conference, UNESCO's Noosa Biosphere, Queensland, Australia, July, 2011.

Allsopp, Philip D. and Lanning, K., "Placemaking and Social Capital: the Drivers of Wealth and Culture". Arizona Town Hall – 92nd Edition. ASU, 2011.

Allsopp, Philip D. "Urban Planning & Public Health: a comparison among US, Swedish and Spanish practices and outcomes" Proceedings of the Healthy Cities Conference, 2010, Brisbane, Queensland, Australia. <http://www.healthycities.com.au/> .

Allsopp, Philip; Armstrong, Richard; Krens, Thomas, eds. "Frank Lloyd Wright: From Within Outward". New York: Skira Rizzoli Publications, Inc., 2009.

Allsopp, Philip D. "The Frank Lloyd Wright Quarterly", CEO Letters, Frank Lloyd Wright Foundation.

Allsopp, Philip D., "Creating healthier and more sustainable communities post Katrina: Challenges and Opportunities for the Architectural profession." RIBA-USA Research Paper (<http://www.riba-usa.org/events/2005-09/2005-09.htm>)

"Lime and Its Place in the 21st Century: Combining Tradition, Innovation, and Science in Building Preservation," in *Contemporary and Historic Uses of Lime in Mortars, Plasters, and Stuccos*, National Lime Association Symposium Proceedings (2005), Chapter 6. Co-author: Philip Allsopp, D.Arch, RIBA