

## CO<sub>2</sub>, Mindfulness and Doughnuts – delivering research impact in the 21<sup>st</sup> century

**Rob McLeod** is Associate Professor in Building Physics, having completed his habilitation at TU Graz in 2021. He has more than 30 years of experience in the built environment sector, including senior roles in the UK Building Research Establishment as well as governmental advisory roles, and experience in architectural and engineering consultancy in Australasia, North America and the UK. Rob is a Chartered Engineer, and a Fellow of the Institution of Mechanical Engineers (FIMechE). His research focuses on improving the whole life performance of buildings and communities, including assessing indoor environmental quality, wellbeing and resilience. To date he has received more than 12 million Euros in research grant funding. He is the author and co-editor of one of Routledge's bestselling books in architecture the 'Passivhaus Designer's Manual'. In 2020 he was the recipient of the IBPSA-England award for "Outstanding Service".

Rob was previously an Associate Professor at Loughborough University (2016-2020) where he co-directed two EPSRC/ Royal Academy of Engineering doctoral training centres. In this role he was awarded runner-up prize for "Best Contribution to PhD Student Development" in 2019 and the "Highly Commended award for "Research Paper of the Year", at the Built Environment Beacon Awards in 2018. Whilst a senior lecturer at the University of Brighton, in 2016, Rob received the "Rising Stars" research award for his research. Since 2017 Rob has been the Vice Chair of IBPSA-England and in 2021 he was appointed as the Chair of the IBPSA-World Equality, Diversity, and Inclusion committee.



## Gebäudetechnik im Kontext der Digitalisierung – Herausforderungen und Perspektiven

**Michael Monsberger** ist seit Oktober 2020 Professor für Gebäudetechnik am Institut für Bauphysik, Gebäudetechnik und Hochbau an der Technischen Universität Graz. Zuvor war er Inhaber der mit dem Field of Expertise „Sustainable Systems“ assoziierten Professur „Integrated Building Systems“ an der TU Graz. Seine Forschungsinteressen liegen im Bereich Gebäudetechnik im Kontext des digitalen Planens, Bauens und Betriebens sowie erneuerbarer Energiesysteme für Gebäude und Energieeffizienz. In diesen Themengebieten initiierte und leitete er zahlreiche geförderte Forschungsprojekte. Während der letzten beiden Jahre war er maßgeblich am Aufbau des Graz Center of Sustainable Construction beteiligt, einem Research Center für nachhaltiges Bauen an der TU Graz.

Michael Monsberger promovierte 2005 an der TU Graz im Bereich Brennstoffzellen. Danach wechselte er an das AIT Austrian Institute of Technology, wo er federführend das Geschäftsfeld „Sustainable Thermal Energy Systems“ mitaufbaute und über sechs Jahre lang leitete. Er war unter anderem Board Member der European Association of Renewable Energy Research Centers (EUREC), der European Heat Pump Association (EHPA), der European Technology and Innovation Platform on Renewable Heating and Cooling und ist derzeit Vorstandsmitglied von buildingSMART Austria (bSAT). Seit Jänner 2022 ist Michael Monsberger Studiendekan der Fakultät für Bauingenieurwissenschaften der TU Graz.

## A stargazer's guide to building physics in the 21<sup>st</sup> century

**Christina Hopfe** is full Professor in Building Physics at TU Graz and has been the head of the institute of Building Physics, Services and Construction since May 2020. She has previously worked in Germany, the Netherlands, USA, and the UK. She is a Chartered Engineer, and a Fellow CIBSE and IBPSA. Her research specialises in decision support techniques using building performance simulation including low and plus energy buildings and communities, uncertainty quantification in building simulation models, optimization techniques, and advanced teaching methods for building performance. She is author and co-editor of the 'Passivhaus Designer's Manual'; shortlisted as Routledge bestselling books in architecture in 2016-2018. In 2013, she was one of 28 nominees shortlisted in 'Stars of Building Science' in the BRE's Virtual Academy of Excellence. She is also the winner of the CIBSE Dufton Silver Medal for 2021, awarded for papers relating to fundamental research.

Christina has been a director at large of IBPSA-World since 2014. Since October 2017 she has been the chair of the IBPSA communication committee. Christina has been on the Research Foundation Flanders (FWO) expert panel since 2020 and the Indoor Air Quality group of the German Environment Agency since February 2022. Many of her students have won multiple national awards including the Duke of Gloucester Young Achievers Scheme (2013), David Douglas Award (2013), Young Lighter of the Year finalist (2016), CIBSE graduate of the year award (2017), Built Environment Beacon Postgraduate Student of the Year (2018), and the Dufton Silver Medal (2021).