



International
Building
Performance
Simulation
Association

Candidates for Director At-Large – 2026 Election

Pieter de Wilde

Andrea Gasparella

Matthias Haase

Gülsu Ulukavak Harputlugil

Nathaniel Jones

Danielle Monfet

Name: Pieter de Wilde

Job Title: Professor

Institution/employer: Lund University (LTH)

IBPSA Affiliate: IBPSA-Nordic (as well as IBPSA-England and IBPSA-Scotland)

Supporting members: Cheol Soo Park (IBPSA-Korea), Da Yan (IBPSA-China)

Statement

I stand for re-election as At-Large Director to continue contributing to IBPSA's development. I have served on the Board since 2014, including as Secretary (2015–2022) and Vice-President (2022–present), and remain committed to supporting strong, stable, and forward-looking leadership for the organisation.

My contributions to IBPSA span governance, publications, and community-building. I have served as a founding member and later Chair of IBPSA-England, Chair of the IBPSA Awards and Fellows Committee, and as a member of the Publications and Governance Committees. I currently chair the Strategic Planning Committee, where I contribute to shaping IBPSA's longer-term direction. I have been actively engaged in the Building Simulation conference series since Building Simulation 1997 in Prague. I have also contributed to the organization of a range of regional and national events hosted by IBPSA Affiliates such as IBPSA-NVL, IBPSA-England and IBPSA-Nordic. My academic work includes the IBPSA-endorsed book Building Performance Analysis (2018) and editorial service for the Journal of Building Performance Simulation. I was honoured to be named an IBPSA Fellow in 2017.

Looking ahead, I believe IBPSA has a strong opportunity to build on its foundations while addressing several important challenges: maintaining the global prominence of the Building Simulation conference series in an increasingly competitive landscape, strengthening pathways for early-career researchers and practitioners, navigating an evolving international context, and ensuring long-term financial resilience beyond conference-based income. In this context, I will focus on combining continuity with renewal: supporting the next generation, fostering stronger alignment across affiliates, advancing the integration of building performance simulation with emerging AI-based approaches, and ensuring that IBPSA retains and builds on its institutional knowledge while creating space for new voices.

I believe my experience, long-standing engagement, and commitment to IBPSA's future position me well to continue serving effectively as At-Large Director.

Name: Andrea Gasparella
Job title: Professor of Building Physics and Building Energy Systems
Institution/employer: Free University of Bolzano
IBPSA Affiliate: IBPSA-Italy
Supporting members: Vincenzo Corrado (IBPSA-Italy), Francesca Cappelletti (IBPSA-Italy)

Statement

Building Performance Simulation (BPS) is more than a set of tools: it is a shared platform that helps researchers, practitioners, educators, and students understand the built environment, test ideas, and make better decisions for a more sustainable future.

As Professor of Building Physics at the Free University of Bozen/Bolzano, I use BPS every day in teaching and research, from building energy and comfort analysis to multi-domain performance assessment and optimisation. This experience has convinced me that simulation must continue to grow as a rigorous scientific method, a practical design approach, and a powerful educational resource.

I have had the privilege of serving the IBPSA community in several roles: as Director-at-large of IBPSA-World, as participant in IBPSA committees, and as one of the contributors to the establishment and growth of IBPSA Italy, where I have served as Vice-President and President.

My volunteer work has focused especially on building bridges within our community. On behalf of IBPSA Italy, I co-chaired Building Simulation 2019 in Rome and have organised the regional Building Simulation Applications (BSA) conference series since 2013, creating opportunities for exchange among researchers, professionals, software developers, and young members of our field.

I am standing for election because I would like to give back to a community that has strongly shaped my professional path. I would be honoured to help connect IBPSA-World and its Affiliates increasingly closely, support education and professional development, broaden participation, and explore new dimensions and values of BPS in research and professional practice. I would try to bring continuity, commitment, and an open, collaborative attitude to the Board, helping IBPSA remain a welcoming, ambitious, and influential home for building simulation worldwide.

Name: Matthias Haase

Job title: Professor for Building Systems and Sustainable Resource Management

Institution/employer: ZHAW Zurich University of Applied Sciences, Department Life Sciences and Facility Management, Institute of Facility Management

IBPSA Affiliate: IBPSA-DACH

Supporting members: Christoph van Treek (IBPSA-DACH), Christina Hopfe (IBPSA-DACH)

Statement

I am the co-founder of IBPSA-Nordic and was an IBPSA-Nordic board member from 2011 to 2020. In that period, I was the secretary of IBPSA-Nordic as well as chair of WG Education and President. I co-organized 10 IBPSA-Nordic conferences and 3 IBPSA-Nordic Simulation seminars. In 2021, I joined the IBPSA-CH board, which was integrated into IBPSA-DACH in 2023 (merging German, Austrian, and Swiss affiliates). I will be co-chairing the 10th BauSIM conference in September this year (9-11 Sep 2026) in Zurich, Switzerland.

I was elected to the IBPSA Board as Director-at-Large (2015, 2018 and 2022). Since 2016, I have chaired the IBPSA Project Committee and participated in the Education and Communication Committees. I aspire to increase the number of IBPSA Projects. Last year we initiated Project #2.

Since 2020, I have been involved in international project management of IEA EBC Annex (73, 75, 82 and 83 (STD leader)), Horizon Europe (PEDvolution), CETP (Upchange), DUT (CABE) and national research projects (DECARB, RENOWAVE). At ZHAW, I teach Energy Management, Building systems, Energy in Buildings, Renewable Energy Sources, Sustainable Strategies in RE and FM, and Circular Economy Management. My research focuses on Energy Master planning for existing buildings and districts, Building Performance Analysis in Operation with Digital Twins, BMS and CAFM.

At SINTEF (2007-2020), I gathered experience as project manager, leading more than 20 R&, EU and IEA projects, and from 2010 – 2014 I was Associate Professor at NTNU, Department of Architectural Design, Trondheim, Norway. My work included teaching Building physics, Energy calculation methods and regulations, building performance simulation, Integrated Energy Design, Building simulation software (with practice in lab), and supervising PhD and MSc students in Sustainable Architecture.

In my PhD research (2003-2007), I tried to find a climate-responsive approach using CFD as well as BPS and developed a design tool for DSF.

Name: Gülsu Ulukavak Harputlugil

Job Title: Professor

Institution/employer: Çankaya University

IBPSA Affiliate: IBPSA Türkiye

Supporting members: Pieter De Wilde (IBPSA-Nordic), Neveen Hamza (IBPSA-England)

Statement

I stand for election as At-large Director of IBPSA. I have been an Affiliate Representative for 7 years and now would like to continue and expand my role. I aspire to represent the wider Middle East on the Board, developing further connections with this region. I am also keen to promote the use of simulation in architectural design, particularly when applied to architectural design education. As At-Large Director, I would also further strengthen the equality and diversity of the IBPSA Board.

I am a full professor at Çankaya University Architecture, Türkiye. My scholarly interest covers energy-efficient building design, net-zero energy/carbon/water buildings, performance evaluation, and building simulation. My research has focused on performance evaluation techniques (particularly BPS), improving performance evaluation during the design process, and exploring integration possibilities of performance simulation tools into the design process. Since 2015, I have also explored the impact of occupant behaviour on energy consumption of dwellings, renovation strategies of current building stock, and climate change adaptation strategies for buildings and communities.

I was introduced to IBPSA during a stay with Professor Jan Hensen's building simulation group at TU Eindhoven back in 2005. Since then, I have contributed to most international Building Simulation papers through papers, reviews, and presentations. Further volunteer contributions to IBPSA are as follows: I was founding chair of IBPSA Türkiye (2017-2021) and then vice-chair (2021-2024). During this time, I organized 3 IBPSA-Türkiye seminars and an IBPSA-Türkiye special session at the TTMD conference in 2020. I have been an Affiliate Representative and IBPSA Board member from 2018 to 2025. I have led two bids to host the international Building Simulation conference in Istanbul. I am a member of the IBPSA Conference Committee, IBPSA Equality, Diversity and Inclusivity Committee, and Strategic Planning Committee.

Name: Nathaniel Jones
Job title: Senior Consultant

Institution/employer: Arup

IBPSA Affiliate: IBPSA-USA

Supporting members: Neal Kruis (IBPSA-USA), Jayati Chhabra (IBPSA-USA)

Statement

I have been an at-large member of the IBPSA Board of Directors since 2024 and served as president of IBPSA-USA from 2024-2026. I chaired SimBuild 2026 and was the scientific committee chair of SimBuild 2024, and I have served on the IBPSA-USA Board of Directors since 2020. I have over a decade of IBPSA leadership experience, starting as a founding member of the IBPSA-USA Research Committee in 2014. I have launched numerous projects to bridge the gap between practitioners and researchers in our field, including the Research Committee webinar series, the newsletter's 'Ask a Modeler' column, and HackSimBuild. I serve IBPSA-USA on the Research (former chair), Communications, Conferences, Membership, and Finance committees. I have presented papers for every Building Simulation conference since 2011 and served on the program committee for Building Simulation 2017.

IBPSA brings together a diverse body of architects, engineers, developers, researchers, teachers, and students with a common goal: To improve the built environment through simulation. As a young industry that constantly innovates in response to new technologies, new regulations, and new tools, we struggle to maintain a connection between research and practice. IBPSA is the best organization to bridge between researchers and practitioners, and my goal on the board is to make IBPSA the most effective it can be at producing, promoting, and sharing innovations in all areas of building performance simulation. For this, we must develop conferences, projects, and online content that foster a global community of simulationists, with an emphasis on outreach to students and young professionals.

Professionally, I am a senior consultant in daylighting, microclimate, and comfort simulation at Arup, and a professor at Wentworth Institute of Technology. I am the creator of tools such as comfort.arup.com and Accelerad, and author of twenty-nine peer-reviewed papers on occupant health, comfort, and building energy use.

Name: Danielle Monfet

Job title: Professor

Institution/employer: ÉTS-Montréal

IBPSA Affiliate: IBPSA-Canada

Supporting members: Liam O'Brien (IBPSA-Canada), Michaël Kummert (IBPSA-Canada)

Statement

I discovered the world of building performance simulation (BPS) while working as a consultant and quickly realized that this was the field I wanted to pursue. I thus completed a master's and a doctorate in building engineering, both focused on building energy modelling. I later joined ÉTS-Montréal as a professor to strengthen the building science curricula and co-established the Laboratory of Thermal and Building Science, which conducts research on advancing the use of building energy modelling tools, developing new calibration techniques of building energy models, and developing approaches to design and assess the performance of controlled environment agricultural spaces (e.g., greenhouses and container farms), including crop modelling. My research projects often involve industry collaboration, which has given me a detailed understanding of the challenges practitioners face.

I have been an IBPSA member for more than two decades. I attended my first BSim conference in 2005 and joined the IBPSA-Canada board in 2014. Since then, I have organized the eSim conference, served as President of IBPSA-Canada, and acted as an affiliate representative. I was first elected as a Director-at-Large in 2020 and have served as Secretary since 2024. I am now seeking re-election for a fourth term as Director-at-Large to continue contributing to the positive impact IBPSA has on the building performance simulation (BPS) community. Since 2020, I have been actively involved on the Website and Equity, Diversity, and Inclusion (EDI) subcommittees, including contributing to the launch of the IBPSA Women's Network. I am deeply inspired by IBPSA's potential to shape the future of the BPS community. I am committed to leveraging my expertise and understanding of the challenges associated with BPS tools to support IBPSA initiatives, enhance the organization's visibility, promote the continued advancement and adoption of BPS, and help strengthen our global community.