



Heat & Moisture Simulation Workshop

Day 1 Workshop Programme

Thursday 9 November 2023 - London

- 8:30 *Registration and installation of software on personal laptops*
- Tea/Coffee and breakfast snacks*
- 9:00 Welcome, introduction and overview
- 9:30 *Pres #1: Introduction to the language & concepts of building physics and moisture sensitive design - Joseph Little*
- Pres. #2: Effects of Moisture and Hygrothermal Performance Evaluation in Building Practice – Christian Bludau*
- 11:10 *Tea/Coffee Break*
- 11:25 *Pres. #3: Fundamentals of Hygrothermal Simulation Models and Validation– Christian Bludau*
- Pres. #4: Evaluation of hygrothermal simulation results Part I - Christian Bludau*
- 13:00 *Lunch Break*
- 14:00 *Pres. #5: What goes on in solid walls and why should we care? – Joseph Little*
- WUFI Practical: Using the WUFI material database – Joseph Little*
- Pres #6: Initial Conditions, Sources and Sinks*
- WUFI Pro Practice Session – Christian Bludau and Joseph Little*
- 16:00 *Tea/Coffee Break*
- 16:15 *WUFI Pro Practice Session – Christian Bludau and Joseph Little*
- 17:45 *Conclusion*
- 18:00 *Optional group get together and networking*

Principal Presenters/Instructors

Christian Bludau, Dr.-Ing. - Fraunhofer IBP, Germany

Joseph Little, BArch, MSc Arch. AEES - TU Dublin, Ireland



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Day 2 Workshop Programme

Friday 10 November 2023 - London

- 8:30 *Tea/Coffee & breakfast snacks*
- 9:00 *Pres. #7: Input data: material properties, climate and surface transfer – Christian Bludau*
- Pres. #8: Evaluating risk in a context of uncertainty - national ambition, risks, standards & accuracy - Joseph Little*
- 11:00 *Tea/Coffee Break*
- 11:15 *WUFI Practical: Determining and entering surface conditions – Joseph Little*
- Pres. #9: Evaluation of hygrothermal simulation results Part II (Frost, Corrosion, Mould) - Christian Bludau*
- WUFI Practical: Evaluation of mould growth using WUFI Bio – Christian Bludau*
- 13:00 *Lunch Break*
- 14:00 *Pres. 10: Heavy structures & better simulations – Joseph Little*
- WUFI Pro Practice Session (bring personal case study if desired) - Christian Bludau and Joseph Little*
- 16:00 *Tea/Coffee Break*
- 16:15 *Pres. #11: WUFI Family – Christian Bludau*
- Concluding discussion and questions*
- 17:00 *Session evaluation and close*

Principal Presenters/Instructors

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Joseph Little, BArch, MSc Arch. AEES - TU Dublin, Ireland

Please note programme is liable to change.