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Message from the President

professionals are aware of some particular envelopes' roles in improving our buildings' qualities, however, not many are familiar with the buildings' envelope performance potentials and abilities to help and contribute to achieving buildings' performance goals, both interior and exterior, and what's in between. Certain individuals know about these potentials but choose not to, or don't find the proper platform, to be that positive about them; they would rather stick to old building methodologies. We can change that.

We are blessed in our great organization, the Ontario Building Envelope Council (OBEC), with a fabulous board of directors, amazing committees, and wonderful members who pose great characters, a wealth of knowledge, and enthusiasm—among many other talents and gifts.

Starting this presidential term, I feel exceedingly humbled, honoured, and grateful to serve with all of you. I want to thank those who entrusted me for working to keep the ship on course. We are blessed in our great organization, the Ontario Building Envelope Council (OBEC), with a fabulous board of directors, amazing committees, and wonderful members who pose great characters, a wealth of knowledge, and enthusiasm—among many other talents and gifts. These all make OBEC's fortune remarkably priceless.

As it has been stated, OBEC has been bridging the gaps among the architectural, engineering, research, manufacturers, and construction communities. Finding and engaging these professionals to serve can be extremely difficult, especially in our currently busy construction epoch. It makes it inevitably essential to focus on necessary positive changes right now, otherwise, we could be missing out on a one-of-a-kind chance to improve on the largest number of buildings this country has ever seen in one province. In this issue of *Pushing the Envelope Canada*, we have some fantastic, educational articles for readers to enjoy.

does not meet code, and why it is crucial to ensure it does.

Steven Murray discusses the impact of thermal bridging and how envelope transitions are amplified in low-energy buildings. His article on page 24 explains why these transitions are particularly challenging to resolve in retrofit conditions.

It was not long ago when we celebrated Christmas and the start of the new year. I would like to start this new service period with positivity. Therefore, I can't help but ask myself and every one of you an essential question, "how do we attract great minds and positive thinkers operating actively within our industry into an era of Mind Change?" We do so by focusing on the building envelope's role in creating suitable spaces for human use or occupancy. This will help determine the success of our role advocating and contributing to making buildings more resilient, more comfortable, energy smart, and beautiful. There is no doubt most construction

Ever thought about building your own personal wine cellar? Joe Lstiburek takes the time to offer his insight on the particulars of storing wine and building your own wine cellar, in his article on page 13.

On page 26, Emma Ruixian Qian discusses the changes needed for an existing high-rise office building with moisture deterioration problems caused by weeping tiles.

Finally, on page 29, Mohamed Hussein reviews the variations and differences when it comes to concrete protection systems. He also focuses on the advantages of using the PUMA system.

Grant Walkin discusses the lessons he learned as he attempted to super-insulate a 115-year-old, semi-detached home. On page 17, he goes in-depth about the products used to embrace a leading-edge approach to energy performance.

I welcome your suggestions on attracting more envelope enthusiasts, starting the talk about positive initiatives, and building a better future for this vibrant, fast-growing construction world. Thank you to all those authors and contributors who took time to write for this issue of *Pushing the Envelope Canada*. ■

On page 21, Meagan Kikuta explores the myriad of problems one can have if your roof

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