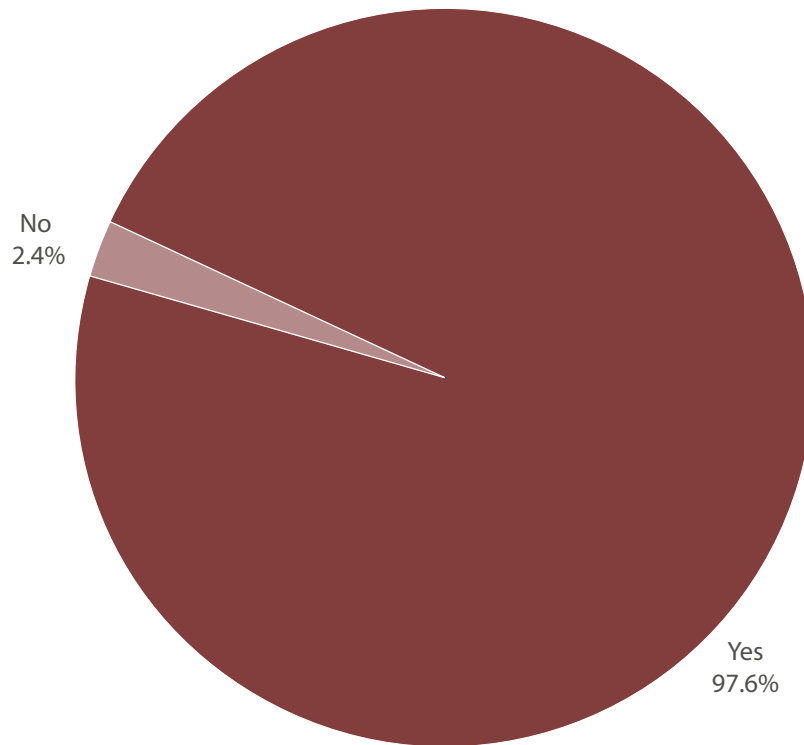




## 2018 Middle East Conference Feedback Report

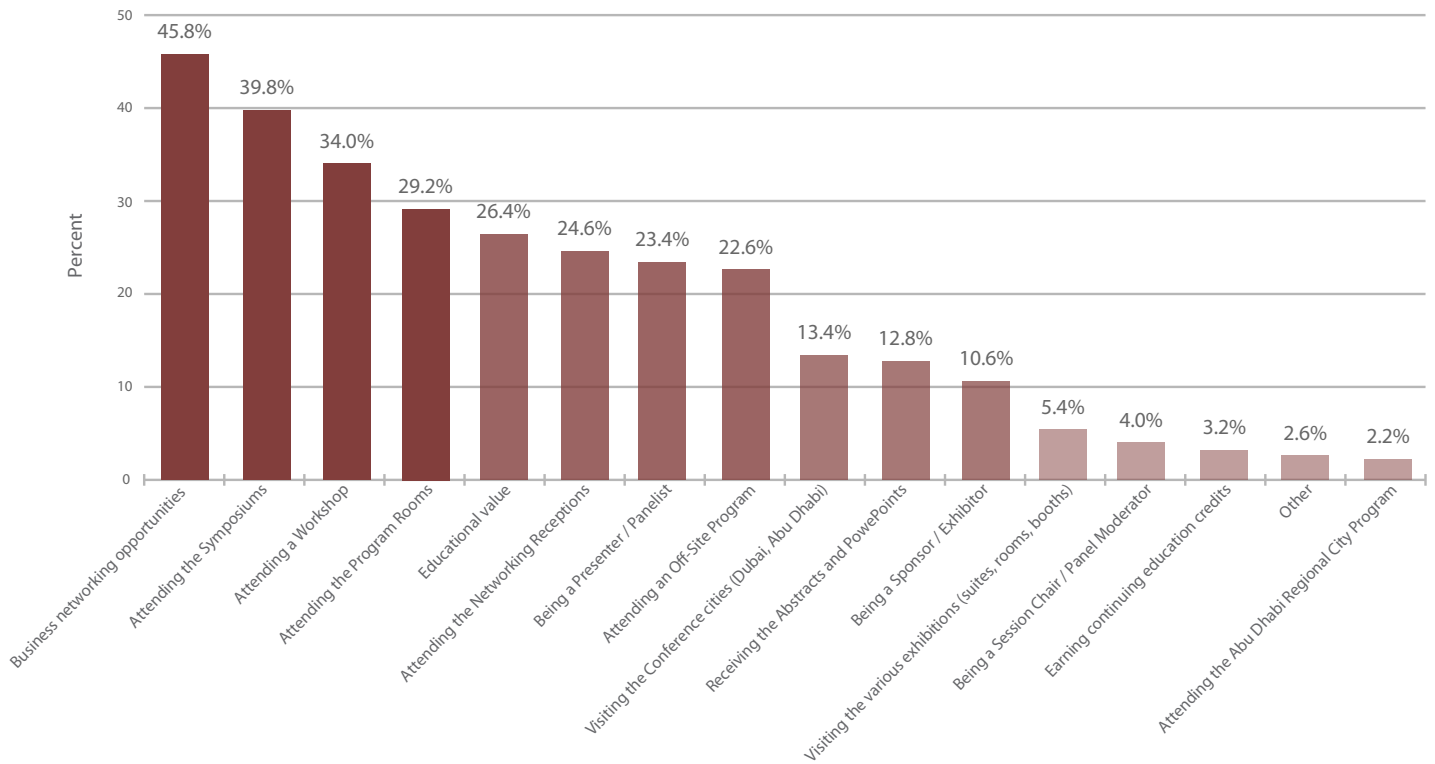
Based on 580 responses from 1304 attendees (44% response rate)

Did the Conference fulfill your reason for attending?



Yes	97.6%		487
No	2.4%		12
Total			499

## What were the three most valuable aspects of this Conference for you?

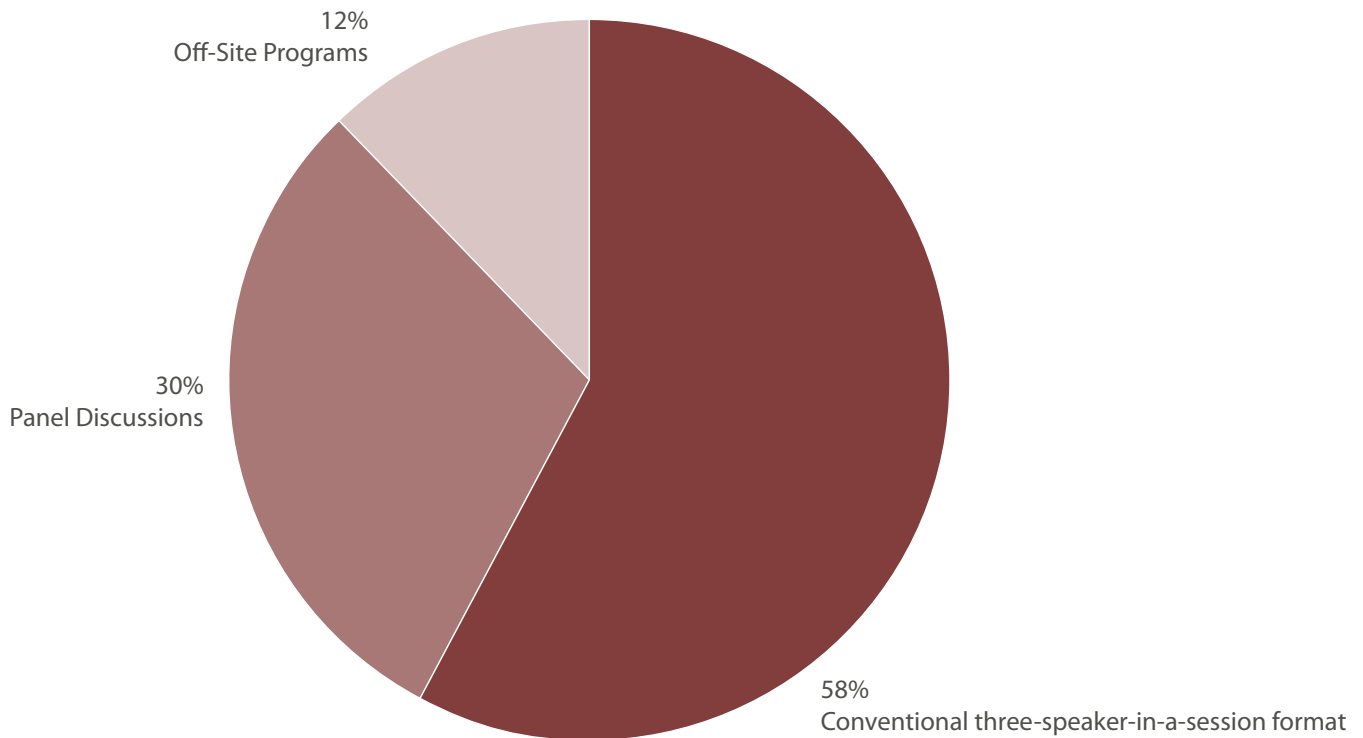


Business networking opportunities	45.8%		229
Attending the Symposiums	39.8%		119
Attending a Workshop	34.0%		170
Attending the Program Rooms	29.2%		146
Educational value	26.4%		132
Attending the Networking Receptions	24.6%		123
Being a Presenter / Panelist	23.4%		117
Attending an Off-Site Program	22.6%		113
Visiting the Conference cities (Dubai, Abu Dhabi)	13.4%		67
Receiving the Abstracts and PowerPoints	12.8%		64
Being a Sponsor / Exhibitor	10.6%		53
Visiting the various exhibitions (suites, rooms, booths)	5.4%		27
Being a Session Chair / Panel Moderator	4.0%		20
Earning continuing education credits	3.2%		16
Other	2.6%		13
Attending the Abu Dhabi Regional City Program	2.2%		11

Rate the following on a scale from 1 to 5 (where 5 is the highest rating):

	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree	Not Applicable	Responses
The Conference was well organized and coordinated.	7 1.2%	6 1.0%	16 2.8%	176 30.5%	372 64.2%	2 0.3%	579
Registration and collection of materials went smoothly.	13 2.2%	9 1.6%	24 4.1%	163 28.2%	365 63.0%	5 0.9%	579
Event staff were friendly and helpful.	5 0.8%	4 0.7%	21 3.6%	159 27.5%	385 66.5%	5 0.9%	579
The presentations were relevant and engaging.	5 0.9%	22 3.8%	80 13.9%	324 56.3%	140 24.4%	4 0.7%	575
It was valuable to have a choice of eight simultaneous track sessions in Dubai.	7 1.1%	49 8.5%	127 22.0%	250 43.3%	129 22.3%	16 2.8%	578
The Symposiums in Dubai were informative and interesting.	6 1.0%	11 1.9%	73 12.7%	272 47.2%	187 32.5%	27 4.7%	576
The Program Rooms in Dubai were informative and interesting.	5 0.9%	13 2.3%	107 18.6%	281 49.0%	131 22.8%	37 6.4%	574
The program in Abu Dhabi was informative and interesting.	2 0.4%	7 1.2%	63 11.2%	83 14.8%	50 8.9%	357 63.5%	562
The exhibitions were interesting and relevant.	5 0.9%	25 4.3%	157 27.3%	245 42.7%	94 16.3%	49 8.5%	575
The poster exhibitions were interesting and relevant.	7 1.2%	23 4.0%	159 27.5%	233 40.2%	78 13.5%	79 13.6%	579
Networking opportunities were appropriate.	4 0.6%	13 2.3%	67 11.6%	267 46.4%	209 36.3%	16 2.8%	576
The Workshops were relevant and engaging.	6 1.0%	8 1.4%	52 9.0%	236 41.1%	145 25.2%	128 22.3%	575
The Dubai Off-Site Programs and related tours were relevant and engaging.	1 0.2%	4 0.7%	41 7.3%	102 18.1%	139 24.7%	276 49.0%	563
The Networking Receptions were high-quality and enjoyable.	5 0.9%	9 1.6%	58 10.2%	202 35.4%	153 26.8%	143 25.1%	570
The venue catering and facilities were of a high standard.	5 0.9%	14 2.4%	55 9.6%	220 38.3%	270 47.1%	10 1.7%	574
I am likely to use the Conference Proceedings/ Abstracts and USB drive as a future reference.	9 1.6%	12 2.1%	63 10.9%	232 40.3%	239 41.5%	21 3.6%	576
It was beneficial to have the CTBUH Bookstore at the event.	10 1.7%	21 3.7%	125 21.8%	220 38.4%	138 24.1%	59 10.3%	573
I would recommend this conference to others.	6 1.0%	4 0.7%	39 6.8%	230 39.9%	291 50.4%	7 1.2%	577
I would recommend this organization to others.	7 1.2%	5 0.9%	36 6.2%	208 36.0%	313 54.3%	8 1.4%	577

## Which session format did you enjoy the most?



Conventional three speaker-in-a-session format	58.0%	<div style="width: 58%;"></div>	334
Panel Discussions	30.0%	<div style="width: 30%;"></div>	173
Off-Site Programs	12.0%	<div style="width: 12%;"></div>	69
Total			576

## The presentation(s) that were most valuable to me were (and why):

- 1. High-Rise Real Estate: The Big Picture, chaired by Michael Doring with James Goettsch, William Hellmuth and William Murray 2. Panel discussion and Q&A with Opening Plenary speakers 3. Internal Considerations chaired by Mark Noble
- 1. Yahya Jan "Rethinking Density" 2. Antony Wood "Cities 2070: What is Truly "Sustainable?" and "Skybridges: An Overview" 3. Ole Scheeren "The Skyscraper as Social Organism" 4. Angela Mejorin "Cyclone-Resistant Façades: Best Practices in Australia, Hong Kong, Japan, Philippines" 5. Santiago Calatrava "A Monument to the World: Dubai Creek Tower"
- A lot of the presentations from the various architects, e.g. Killa, KPF, the fire sessions on the first Saturday, His Excellency as he put into context city development, Smart Tools as that showed what was happening now and what could happen, and the maintenance for Burj Khalifa
- All 3 Plenary Sessions - wherein new projects presented and relevant topics were discussed; All about Façades - latest technology and materials - these are all relevant to our current architectural practice; Off-Site Programs - these gives us a wonderful and unique opportunity to see the hosting city in a nutshell.
- All presentations and panel discussions about the trends in building design by means of skybridges. Skybridges are most valuable for future applications for ropeless and nonvertical elevator systems.
- Antony Wood, SHoP, and Calatrava. SHoP's approach, design philosophies, presentation and projects were truly refreshing. Antony's had great information and really got me to think, and Calatrava is an icon, so to have him explain his work from sketch to built-product was wonderful.
- As a glass manufacturer and glass coater, the Tall Building Façade Symposium's presentations were interesting to me. If I must pick, I would have chosen New Frontiers in Façade Design and Skinning Tomorrow's Skyscrapers. Both are relevant to glass performance and aesthetics of the building. This could help us design better products for the future.
- Being a part of international knowledge sharing is most valuable for me. Especially was really interested in presentation of Smart System presentations.
- Case study done by Mr. Killa, who provided in details on how his

- new building adopted green technologies.
- Closing Plenary - interesting speakers (especially Bill Baker, Ole Scheeren, Gregg Pasquarelli); Transit Infrastructure and Scale in Polycentric Cities; Day 2 Opening Plenary - interesting speakers and general topic (especially Peter Murray); Hudson Yards - Building a City in City - interesting technical overview of structural engineering.
- Day 1 Advanced Construction Techniques Workshop showed me new techniques. Day 2, Session 3H, High Rise Real Estate: real trend sharing. Day 2, Session 4G, Planning and CM taught me new ideas about building tanked basements.
- Discussion on skybridges and advancements in wind engineering, although more limited at this conference compared to the past. These are areas of interest and important education sessions not just for myself but other consultants/clients/owners in the industry.
- Engineering the structure for Jeddah Tower - the presentation was well-prepared and comprehensive. Critical points on structural engineering topics are presented and discussed. Panel presentation by Dr. Cheong Koon Hean (Singapore) - SG is a well-organized city in my view considering its limited land area. Her view was unique to their situation and made it well-worth listening to.
- Fire and Security Workshop. This was an opportunity to discuss with other global leaders how trends and design solutions of tall buildings are demanding more sophisticated fire safety protection and how the fire sector supports safety outcomes.
- From an educational standpoint, most presentations on designing, engineering and constructing skybridges for tall buildings was very interesting because of the various complex forces working together at heights that need to be considered. I also enjoyed the panel discussion on monocentricity vs. polycentricity due to the high quality of expert panelists. Lastly, and with somewhat biased views, the panel in track 2G "What are the Challenges for Megaprojects in Polycentric Cities" was most valuable and relevant as I represent a global manufacturer whose ultimate purpose is preserving the longevity of property in the harshest environments through use of advanced paints and coatings without compromising aesthetics whilst also minimizing any form of disruption in the long run. My colleagues responsible for the powder coatings business were also very satisfied with the quality of presentations in track A façade symposium.
- Generally, "H" was the most valuable to me as it took into perspective all the business aspects of tall buildings and large projects, from both an owner and occupier perspective.
- High Rise Real Estate: The Big Picture: The session was interactive, and the speaker is good.
- I found all formats of presentation to be suitable for the topics presented. However, I found the off-site programs very interesting as the more informal setting allowed great networking with people interested in a similar topic or with experience most relevant to the topic of interest.
- I found the presentation by Bill Baker to be very interesting, hearing his thoughts on the future of the high-rise tower.
- I most enjoyed the workshops and the presentations that got into specifics. Presentations in which they provided tangible examples of how they implemented/delivered a project or approach were the most meaningful.
- I really enjoyed the opening and closing plenary sessions. The quality of the speakers in those sessions was high, and the content was very interesting.
- I really enjoyed the Polycentric Cities and Tall Timber tracks because thoughtful leaders on these topics are rarely (if ever) gathered in one place. I also enjoyed the Urban and Building Transit track for the fact that it combined these two transit elements into one far more interesting topic. All keynotes in Session 8 were amazing. The two off-site events I attended (Capturing the Future in 3-D and Iconic Towers as Development Catalysts) were a unique opportunity to see truly unique projects and to hear the "insider information" that is not necessarily publicly available, from the actual designers and project team. Off-site programs were also a great opportunity for those who typically don't go near construction sites.
- Keynote speech from Mr. Alabbar, Presentation from Dr. Cheong Koon Hean, Ms. Agnes Koltay, Mr. John Peronto, Mr. Werner Jager, Mr. Gregg Pasquarelli, Mr. Ole Scheeren
- Keynotes, because it is critical to hear, as one audience, top-level executives' insights and key business drivers
- Marina Gate. A very well-prepared presentation in the field of design, construction, and project management.
- Net-Zero Energy Workshop because it is the inevitable future.
- Ole Scheeren - He put forth compelling examples that were both futuristic and highly rational products of their functions and contexts. Philip Duncan, RWDI - Struck a great balance between technical and accessible language to describe the barriers and possibilities of CFD for tall buildings. Sylvain Vieujeot, Equitativa & Emirates REIT - Provided an interesting perspective not often seen at our conferences (e.g., development approaches and property acquisition strategies for REITs).
- Opening Remarks on Day 2 by the Chairman of Emaar and all the other [resenters - they all set the tone of the conference.
- Plenary 3 - 50 forward, 50 back - this was by far the best session with a very engaging range of speakers which was valuable to learn from.
- Plenary 3 had the best and most informative content. The flood prone part of the world was interesting.
- Plenary presentations were very good. I especially liked the polycentric panel discussion about the 4 case cities: London, Dubai, Sydney, and Toronto.
- Plenary Session 3 as it nicely presented future trends while highlighting relevance to the past.
- Plenary sessions and design presentations with case studies of tall buildings and mixed-use designs, including program tracks and off-site building design presentations. To hear the architects talk about design is more educational to me.
- Polycentric cities in the Middle East set the tone and direction for the conference as it was relevant to the cities the conference was being held in.
- Poster presentations were most valuable because I represent academia and I am interested to find out state-of-art of the tall building research.
- Prefabrication construction of tall buildings as this is the key thing due to unavailability of space for construction logistics. Prefab is the way forward.
- Presentations by James von Klemperer, Cheong Koon Hean, William Baker, Eric Parry, Viviana Muscettola, William Hellmuth, Paolo Zilli, Peter Murray. All most well centered on their respective topics.
- Presentations on comparing the polycentric city versus the monocentric city, and how different cities have evolved over time, as well as the varied reasons as to why they have become polycentric. These sessions are relevant to my work as a planning consultant with experience in both the UK and Oceania and are a helpful basis for comparison to learn from other cities and other built environment professionals.
- Presentations on topics of general interest, where many attendees can benefit from the information being communicated.
- Presentations that relate to urban context and the ones that provide insight about tall buildings and how they relate to urban life. We have seen many tall buildings in Dubai and there is very little effort in terms of connecting these buildings to urban life.
- Santiago Calatrava "A Monument to the World: Dubai Creek Tower" because Santiago Calatrava is a true inspiration to me.
- Shaun Killa "Crafting a Middle Eastern Skyscraper: Working with Climate and Culture"
- Shaun Klann's presentation on digital twins in the smart skyscraper

program - Learnt about the latest technology and trends. Peter Halliday's presentation about smart buildings - Interesting to see the latest technology and trends. The panel discussions where experts had robust discussions were valuable. Day 3 plenary panel discussion was good. Basil Richardson's presentation on timber buildings - Very good from a structural engineering, construction, and sustainability point-of-view.

- Skybridges: I am currently working on a project with connecting skybridges, so this was useful to understand the challenges in regard to ownership and maintenance.
- Skybridges: Interesting to see how they could be used for escape and access/circulation
- Skybridges: Comprehensive discussion, from design to operation.
- Smart Buildings and City: It opens our eyes to new available technologies that can help us develop more efficient and cost-effective projects.
- Smart buildings: To see how smart buildings are developing new design and building-use and shaping the wider smart city concept that have seem to stall. The view of what a polycentric city will be or could be in the future: Showed that simple ideas applied in design can change the whole environment.
- Smart cities - Interesting to see a wide range of views on how smart buildings and smart infrastructure can be developed. Modular workshop - 'evolution of modular structures', wide aspect and appropriate level of detail on a clear guide of how industry needs to adapt to this growing market. The plenary sessions were intriguing and showed clear leadership thoughts on the direction of the industry.
- Smart technologies as this will become more and more relevant to tall building design and at the moment is not clearly defined or understood.
- Structural design, innovative construction methods, state of the art structural design and analysis of buildings and other components: skybridges and façades. It is important to learn through another colleagues' experience.
- Structure presentations for some iconic projects were full of people. But these presentations are too short to go into detailed. Lot of people will be interested that the presenters go more deeply into details of the way they find solutions to different problems.
- Tall Building Façades - Was very interesting as we quite often get engaged into this part of the building. Polycentric Urbanism - A number of really interesting presentations showing possible ways we will develop going forward. Smart Tall Buildings - scary and intriguing at the same time. Skybridges - did not have a chance to visit the presentation in Dubai, still very interesting topic to look at the presentations now.
- Architectural and structural challenges, inclusive of fire evacuation and innovations, with regards to sustainability measures
- The (1) Critical issues in high-rise façade design and (2) Innovative Engineering - case studies were the most valuable. Would have liked to see more presentations on technical structural topics.
- The final presentations in Dubai on Monday were the best, plus the first session on tall timber and a session on advanced construction techniques. All were well presented and very relevant to the tall buildings current trends.
- The focus presentations on skybridges and wood structures were quite good. Maybe too many presentations but overall were good.
- The keynote sessions were very good and well-chosen to get a flavor of the conference. I also enjoyed the Saturday workshop sessions.
- The materials presented by Antony Wood were the most interesting and valuable. The information was inspiring, which could help us to be aware and ready, to face the challenges of the future.
- The ones about architectural design, structural engineering and elevators because they are still fundamentally the key factors in high-rises. Advances in these 3 elements are what most influence future solutions.

- The plenary on the first morning with Santiago Calatrava and Shaun Killa was amazing—to see two beautiful minds think about Dubai Creek in two different ways. One sees the Spire as a single form speaking to the Burj Khalifa; the other sees the opportunity to create centre around which people can live. William Murray was also a fantastic presentation. He was really engaging and really broke through on the great push for bigger, taller buildings, etc., while focusing on what makes bigger and taller buildings work to the people that use them.
- The Plenary 2 panel discussion: I found this to be very good in dealing with urban issues from many different approaches and cultures (Americas, Asia and Australia), and each person was a real powerhouse of knowledge and experience. Panel Chair Steve Watts did an excellent job keeping the questions tight and relevant. I find discussion panels more helpful and enjoyable than when someone makes a presentation and leaves the stage.
- The plenary sessions including the presentation by Santiago Calatrava and the skybridges presentations. The reason is that my work is parallel and in competition with the work being presented. Therefore, it gives me the opportunity to evaluate my own work.
- The plenary sessions: The quality of the speakers and their content was relevant and meaningful
- The Skybridges sessions because it spoke about challenges of building tall and city design and how technology can help re-shape our cities and create more efficient buildings and connected cities.
- The Smart Building sessions as that is the future of the industry.
- The special focus group on modular construction - looks like we could really generate some synergistic opportunities for future research.
- Those concerning tall buildings façades because it is an interesting topic that it is not well explained in the basic literature books.
- Those presentations related to strategic issues. They help us form an opinion about future industry developments in general.
- William Murray's "The End of Real Estate as we Know it" - Fresh look at the development process from the perspective of end users.

## Overall comments/suggestions:

- A great conference to attend each year. Very high level and informative of world's best practice. Totally professional. Sydney was my first CTBUH last year and Dubai the second so far.
- 1. The number of female presenters dropped off this year. Recommend maintaining focus on this issue. 2. To build number and gender equality, appeal to all firms to send equal numbers of male and female attendees. 3. Increase number of architects presenting; ideally in collaborative sessions with the engineers i.e. hear from the team on a project. 4. Have more streams focused on the conferences main topic
- A lot of the presentations were on projects outside the region and it would be nice to see more presentations/work focused on the location of the conference
- A useful track for future conferences could be implementation of newer technology
- Add topics on solution of common problems in construction industry for contractors, such as project management for complex construction projects, a deeper explanation than what have already presented, and topics for deep basement construction
- All in all, very interesting and made me realize Dubai is way ahead on ideas, visions, and construction.
- Always making it better - this is the motto I get out of the 2-year of working with Antony and CTBUH Event team. I can touch and feel the everlasting enthusiasm and accumulated experiences on developing the annual conference towards a perfect balance between opening wider topic diversity on industry trends whilst highlighting sharp insights on focused topics. Great impact you have been delivering through having influential industry insiders, creating social networking opportunities and developing win-win commercial values for all aspects. Event team is sensible and have good sense of timing. Last but not least, the Dubai venue and service are one of the best ever. Keep the momentum for 2019!
- Big swing towards the Engineering professions - need to be careful to remain relevant to the rest of the industry. A much stronger focus on the UH portion of CTBUH would be most welcome / strongly encouraged
- Brilliant work from all the CTBUH staff and extended team!
- Congratulations CTBUH and to Dubai! One of the best I've ever attended!
- Consideration for how venues can host the main exhibition spaces with the spill out areas where exhibition zones are positioned. This would most likely draw in more firms eager to sponsor as well as keep the delegates in a central zone. The two levels did make things somewhat challenging at times at this venue.
- CTBUH is one of the best conferences globally for cities and urban habitat. Continue the great work.
- First, I think rooms dedicated to "structure" presentations should be bigger. Secondly, presenters should go more into details. And finally, there are a lot of interesting articles on Structural Engineering in the database of the CTBUH. Why not add more rooms for Structure people and to give an opportunity to the authors of these articles to present them in these rooms?
- Enable better networking with digital/social media tools/apps - all participants to connect and schedule appointments in advance before the conference and easier communicate and find each other during the event
- Full papers are needed to leave something valuable one can access in the future.
- Great content, superbly organized as ever, just maybe too much choice! Some rooms a little out of the way due to hotel layout. A conference app, with ability to live stream questions would be useful.
- Great job and very impressive overall.
- Great job, as always.
- Great team of people, great event.
- I am very glad that I joined the Dubai conference. Firstly, as a member of the Height and Data Committee, I was more engaged in the organization. Secondly, I found the topics of this conference particularly informative and inspiring. I only wish it were possible to follow multiple tracks at the same time. I would like to suggest that CTBUH make recordings of each track available for participants to watch online. Thank you!
- I enjoyed the small focus groups, such as the Day 1 workshops. It was provided enough time to present, debate about the topic and meet each other.
- I have strongly appreciated the intention to have a very large spectrum of topics and themes as that was helpful to allow each delegate to find the right event for them. On the other side, though, this variety has somehow confused me from time to time, and created situations where I had to make a choice between concurrent tracks I was interested in. To close this gap, it has been very useful the USB key with all the abstracts and presentations.
- I think it's essential that CTBUH continue to strengthen its impact and relevance by focusing on critical topics facing architecture and the planet. As such I think the balance of the 50 / 50 program should focus on future-forward thinking and ambitious architectural solutions to fight climate change and encourage an ambitious and positive impact on our planet. While it is necessary to observe the 50th anniversary milestone, the Council should not rest on its laurels and take too self-congratulatory tone but should emphasize that there is much good work to be done.
- I think it should be defined which kind of level the presentations should be and to who they are targeted; some were high level, some were very technical. It was not clear what to expect and which was supposed to be the target audience.
- I was obviously aware that there were no presentations this year with a cost-related theme and guessed that this was probably due to the lack of suitable quality papers submitted? I am keen to change this a bit if possible and to support the CTBUH in broadening the event content as I feel that cost obviously plays a huge part in what does or does not get built around us.
- I was very pleased to be involved in the inaugural Geotechnical Engineering award. The footprint of a building, how it behaves and how it interacts with other parts of the modern urban fabric has not really been recognized by CTBUH until now.
- I would be happy to have an extra day of sessions with less streams. Currently there are often multiple simultaneous quality presentations and as such, good sessions get missed. Even consider running some sessions twice in different time slots.
- I would like to see more detail being presented. I think you could have a whole room dedicated to showing "the best" projects, but in each session, you should have the architect and engineers presenting some of the details and challenges rather than just an overview show-and-tell that we see in the plenaries. I also think that the CTBUH should decide on all the topics and rooms they think is most relevant and publish what they want abstracts on rather than waiting to see what is put forward and then deciding on the themes. If you set what the conference is about you will get lots of targeted presentations designed for that topic and should be able to pick the best possible global program. Finally, I think you could have more stands and stationary information by encouraging more design companies and sponsors to have stands showing off their design information. You might find companies with interactive VR, amazing graphics and other information for people to interact with between sessions.
- I would want CTBUH to call in developers for the conference to bring them on the same wavelength of the architects and engineers, so that they feel confident to invest and approve unique projects proposed by consultants. This would break the ice, and maybe have a press meet, so that awareness is created in the world around.
- In general, I am very pleased with the conference, both with

- presentations, networking and follow-up.
- It was a great conference! I look forward to Shenzhen and Chicago next year!
- It was a real interesting and inspiring conference with very high-class speakers. I appreciated this a lot!
- It was a well-prepared conference! Thanks much for the good work!
- It was a fantastic event. I can meet up with a lot of professionals during this time, sharing different points of views on buildings and environment. Great event!
- It was refreshing to attend a conference which ran to time.
- It would be good to have some more presentation on costs of buildings from design stage through construction, etc.
- It would be interesting to have access to the videos of all presentations as the PowerPoint given in the USB key does not contains any details and explanations. The density and richness of the different tracks should be accessible to everyone even after the event.
- Keep up the excellent work.
- Keep up the good work. Thank you for all you do.
- Keep up the great work! Wonderful to see Student Scholarships awarded/presented, as well as, Research Grant awards acknowledged.
- Many people did not like the two-floors conference, but I appreciated the broken-ice effect of the elevators and the continuous movement of people. I would like to see more academic presentations about ongoing projects or other opportunities to link the university to the business world.
- Maybe future panel members could be prepped with a couple carefully phrased sentence starters to use when they want to introduce a differing opinion, so that it doesn't come across as invalidating what the previous person just said. Also, the daily summary emails were great!
- More engineers as main speakers
- More gender/diversity in speaker line-up
- More technical presentations
- Once again, the CTBUH conference was incredibly well organized and the content was very informative / well produced. Definitely the best conference of the year (or equal with Chicago)!
- Overall a very good conference which I was excited to be a contributor. I hope that I can contribute to next year's conference and be part of the continuing success of this organization's continued goal in pushing our profession to share ideas, share aspirations and share the challenges that we face ahead with our environments.
- Overall, I thought it was a great conference, and very professionally run. A few points to note: 1. Still too much time spent on architects and manufacturers. Maybe get some property people in who are working at the industry coal face and have factual experiences to share. 2. Lots of rhetoric around smart buildings, and less discussion on the details and challenges. 3. A lot around pre-completion of buildings, but nowhere near enough on the transition and post completion management and aftercare, which may be more relevant to occupiers rather than landlords and/or developers.
- Thank you to all CTBUH staff and executives for organizing such a wonderful conference each year!
- The conference fulfilled my objectives to learn more about super tall buildings and the challenges faced by the design and construction teams to successfully deliver these projects.
- The conference in Dubai was a great opportunity to connect with people and to learn firsthand what is happening in the tall building industry around the world.
- The CTBUH shall encourage the participation of more Structural Engineering firms and more presentations about Structural Engineering for Tall Buildings. The depth of knowledge being shared, and the caliber and breadth of attendees was a welcome surprise. I'd recommend that this be more widely communicated as I'm sure it will attract even more interest in future events.
- The Fully Digitized Conference 2020 conference app with all information including ongoing updates, dramatic reduction on mailings, personal conference planner
- The pre-conference workshops are a valuable part of the program, however attendance at these sessions appeared to be very low (lots of registered attendees did not appear to make the sessions). Is there a better way of running these sessions which will encourage attendance at the sessions?
- This conference provided a good mix of topics, as well as off-site opportunities, which I believe caters for all attendees' interests. The off-site opportunities enable attendees to attend sessions that are not in their core interests, which enables them to gain a broader understanding.
- This was my first conference and I have attended many events both in Dubai and in Europe. The CTBUH was by far the most impressive for its organizational aspects and the delegate list. To achieve an audience of so many senior global people is not easy to achieve. A job well done! Future events - Greater focus to be provided on the post completion stage of the buildings. It is so important to focus on the operational aspects, FM management, commercial management and fit out/handover of buildings for the tenants. Perhaps collaboration with the Council of Offices, RICS and Cornet groups could bring additional diversity. I enjoyed being part of the event and thank you to all the team at CTBUH for working hard to deliver a fantastic event!
- This was my first conference, and I am very impressed. I plan to present and be active in the future.
- Very good conference overall. Would be good to stagger the workshops so that it is possible to attend multiple workshops at each conference.
- We have seen great efforts from the all members of the Council during the Dubai Conference. Thanks.
- We think that CTBUH should absorb more developing countries members who can give us more advice of what the high-rise buildings should be in developing countries, especially the urban habitat problems.
- When it comes to organization, venue and speakers I can only say well done. Something that CTBUH could/should think about is how to present more innovative work in the area of tall buildings. A number of presentations were repetitive (talks about same building by different speakers).
- Would like to say thank you for all the colleagues in CTBUH for hosting this high-quality Conference and contributing to the industries and the communities.



## A good overall topic/theme and/or location for a future CTBUH Conference would be:

- 1. A topic that will make more clients attend, such as: Value of Good Design (Investment & Return). Apple stores would be a good example. 2. Digging deeper in certain technical topics or project.
  - A bigger focus on the Urban Habitat part. Somewhere in SE Asia, Singapore, Bangkok or the like.
  - A good overall topic / theme could be a conference focused on water / harbor cities. Location: San Francisco / Copenhagen / Vancouver
  - A location like Canada or North Europe where wooden towers could be showcased because this is new to the high-rise industry. Also, North Europe is seeing increase in tall buildings - why is this happening? Could be a topic for discussion.
  - What are the key engineering problems with tall buildings and what should we do about them? Fire and Facades. Difference between Seismic Performance and Public Expectations. Measurement of Energy Use of Buildings and Access to Carbon Data.
  - Addressing unaffordability in cities
  - Advances in Engineering and Construction
  - An owner perspective on the profitability of going tall. What are the challenges of today's demand and how to optimize content, tenancy profile, marketing, technology with the overall bottom line.
  - Any theme related to Tall Building Urbanism such as Tall Buildings as "Placemakers." It would be great to visit cities such as Seoul, Singapore, or Tokyo in the future.
  - As London is reported to have circa 500 tall buildings in the pipeline, it would be an interesting location to host the conference and report on the changing skyline and the consequences/ advantages/disadvantages of this construction.
  - As mentioned by Yahya of NORR Architects, the conferences tend to take place in first tier, established cities (with some repeating over the years); perhaps locations with more development to occur, i.e. the next great mega cities (e.g. Ho Chi Minh City, Bangkok, Miami, etc.) could be considered. And that could be a topic, the Next Great Mega Cities...additionally, following Antony's presentation, a theme incorporating what will be the New Reality for the World's Great Cities...considering the changes in climate.
  - Bangkok/Jakarta/Tokyo
  - Barcelona/Madrid, Spain
  - Berlin/Frankfurt, London. A good topic to add to the discussions is the business aspect of the tall building development. A business case publication would also be good. Finally, project troubleshooting may be a good topic to talk about as well.
  - Building life cycle and retrofitting old buildings – policies, process, method, sustainability, and impact; buildings for our children and grandchildren.
  - Canada or Seattle, both seem to have a lot going on with new construction techniques and changing their urban centres.
  - Climate crisis. How the built environment can save the world. Miami, or some city directly affected by sea level rise and the challenges of climate change.
  - Connecting Cities - how new infrastructure is evolving the urban environment. Global Cities - how the different regions of the world approach urban development. New World Cities - how developing nations and increased population in areas of the world will change how we approach urban development.
  - Construction techniques and smart buildings - how do we build whilst looking at the overall impact on the environment?
  - Development of the good Master Plans for the developing countries should be a good topic for future. We are facing this big challenge in countries like Vietnam.
  - Every conference focuses on the Design / Technical aspect of the façade, but in reality, most of the projects being built is not in accordance with the original intend, i.e., execution quality, cost.
- I feel it would be more interesting and relevant to involve actual execution strategies and involve façade fabricators and discuss their challenges in the industry such as competition, lack of skilled resources, supply chain issues, etc.
- Everyday tall, the day-to-day high-rise projects that form the backbone of life / work space in our cities.
  - Expanding Mass Transit Systems in established urban centers: 2022 in Toronto
  - Experiencing the (virtual and real) built environment as a service, in Singapore.
  - Fire safety and design including regulation, guidance and enforcement - London
  - Future locations: Miami, Vancouver, Mexico City, Buenos Aires, Rio de Janeiro, Santiago, Panama City
  - Green Building Solutions for more sustainable buildings and habitats.
  - Hamburg/Rotterdam/Miami
  - I feel that besides green building and sustainability, natural disasters in form of earthquakes, storm, and flooding are becoming more and more dominate topics. How to design and plan for those topics could be a topic for a track.
  - High Performance Buildings & Energy Efficiency
  - History of tall buildings; tall building maintenance and actual running cost BIM unknown consequences in buildings live. Case study of a building after 15 years.
  - How to connect people in newly developed communities? How to attract families to live in High- Rises?
  - How to improve urban habitat design - new and existing. Use knowledge and leverage within CTBUH to look beyond individual projects and how to influence planners to design cities for the greater good, e.g. considerations for more horizontal circulation at height, greener methods of transport, public realm that is more extensive...try and stop the current trend of "cities being like pins" without any interaction between buildings. What would the template of a user-friendly, green and fully-functional city look like?
  - I think "digital" would be a good topic - digital architecture, using digital to build smart buildings
  - I think having a panel in "developing" areas of the world - AESAN countries (KL, Bangkok, etc.) or cities/regions that are experiencing enormous change and struggling with issues of self-identity
  - I think the broad format is excellent. Things are moving so fast that each year brings new ideas on many fronts. The Dubai location was quite icon-focused, which was good. Perhaps tall buildings for our massively expanding African cities will one year be a theme and a location. Japan would also be good.
  - I think the way the conference was set was perfect for such a major gathering. I would like to see more contributions from contractors and constructors to cover practical sides of the business.
  - I'd like to see a place that is meeting the demands of a growing urban population without necessarily building tall. Maybe a place that has particularly good public transportation infrastructure, or a place with a highly successful urban neighborhood plan. Many people said at the conference that maybe tall buildings aren't always the best way to serve the people in the built environment.
  - London, Paris, Italy – Mainland Europe
  - Many tall buildings and cities, as we can see from recent economic changes and natural disasters, are not as fortunate. What are the ways to make our tall buildings and urban habitats "future proof" to be ready for holistic economic, energy, social, and climate changes?
  - Maximizing Density in New York
  - Near and Far Future of Construction; the Revolution in Construction New Markets and How to be Global
  - New York or Chicago
  - North American Cities – Toronto, Vancouver, Chicago, New York

- Possible topic / theme: Something with a heavy 'Environmental / Green' theme to it... "Building for our Children"? Possible locations: Auckland / San Francisco / Hong Kong / New York
- Protecting the building investment and asset for its design life
- Refreshing the landscape - first set of high-rises is starting to get old. How to revitalize - teardown and rebuild, retrofit, etc. Would make sense to have in an 'older high-rise' city that shows the change of landscape. Residential boom in high-rise sector.
- Resilience for Urban Habitat
- Rising to the challenge - How your discipline responds to the tall building design brief and integrates with others for a total building solution. Location: Melbourne, Australia
- San Francisco
- Seoul
- Shanghai
- Shenzhen
- Shrinking Cities, Detroit
- Singapore or Hong Kong
- Singapore. Topics: Tall buildings in / for the developing world; Design, constructability, maintainability and operational aspects of designing tall buildings in a challenging environment; Building tall and high-tech with limited skills available
- Smart buildings
- Smart cities
- Smart technologies
- Somewhere in North America (maybe NY or west coast) perhaps and theme on 'the role of tall buildings as 'integrated developments' above major transport nodes...' or 'Tall Buildings and their Urban Habitats' - an opportunity to discuss how tall buildings plug into the city and become relevant to city dwellers via the creation of urban public spaces at grade, below grade and above grade (sky parks and sky gardens)...could tie into the series of books we are doing on the urban realm committee.
- South America
- Southeast Asia
- Tall building operational management - Vertical city integration, operation and cost management; Locations - London, Sydney, Hong Kong
- Tall buildings are looking more similar same regardless of where they are built in the world. It would be interesting to have some focus around tall building design in the context of the culture, people, landscape, climate and local materials.
- Theme – Resilience & Adaptability: Vertical Urbanism for an Uncertain Future
- The CTBUH is to be commended for the increasing focus on the Occupant Experience, but much more needs to be done to focus on building operation and performance over time. Continue an increasing focus on occupants' needs and expectations, management, maintenance, etc.
- The Future of the Residential and Commercial: affordable developments to accommodate the future population growth and user requirements in the decreasing availability of suitable land. Location could be in an Asian country or India where this problem of growing populations and affordable accommodation is an ongoing challenge.
- The topic can be somewhat linked to the location. It would also be advantageous to target these cities as they are going. Unfortunately for Sydney and the UAE, it appears that these markets have slowed. Somewhere like India might be a great opportunity, with the topic focused around Sustainability in our Design practices. The focus towards the Net-Zero Carbon for building portfolios, which was recently announced, would be a great platform to run off. Alternatively, somewhere in Europe would assist with the diversification of the event location globally, which may help draw in more international interest.
- There must be more focus on the occupier of tall buildings. What do businesses and residents want from tall buildings and why? What are the trends? What are the challenges of mobilizing and operating tall buildings? How are communities evolving in tall buildings? What are the key challenges, successes and trends? What is the well-being and social impact of tall buildings?
- To follow on from Antony Wood's keynote talk to be reactive to change both in climate terms and in technology terms, ideally the location for any future conference would be where climate change is now occurring and having an immediate effect. However, distance is an issue. The success of the conference depends on the quality of its speakers, contributors and delegates. An interesting venue would be Rio De Janeiro with off-site views of the favelas, but asking people to travel there could be an issue especially delegates from China. Perhaps the best location would be a return to Europe...to Rome where change is least occurring, or Scandinavia who may see the changes in our climate. Or the Northern Africa where the desert is expanding. Or even more poignant New Orleans where an environmental event has created a huge impact on human life.
- Topic - a) Carbon Neutral, Carbon Negative b) Future Hotspots of Urban Growth c) Distributed Energy Production and Storage Systems. Location - a) Singapore b) Tokyo c) Cape Town
- Topic: how tall buildings meet the ground (form, function, engineering, transit, public/private, future of). I would go outside of the beaten path and go to Brazil where there are a handful of new 200m+ residential towers and lots of urban design issues (favelas, post-world cup/Olympics). Alternatively, Mexico City due to the megacity status and plenty of new towers. South America and Latin America in general have been under represented.
- Topics: Do tall buildings, the way we know them today, (conventionally built, silo in cities, not interlinked and rather independent) have a future? Samples of city planning to be much more sustainable and ready for the future needs (mainly from an ecological standpoint). Locations: London, Singapore
- Toronto
- Transport and integration of urban living into large scale cities. Kuala Lumpur
- Unlocking value in existing cities and buildings (e.g. a focus on how smart design needs to work in established cities, and how existing buildings can be modernized to meet future needs).
- Urban Resiliency: Effective Strategies within Practical Constraints. Location: New York, Boston or San Francisco
- Wind and seismic design of tall buildings