



3rd International Conference on Modern Bamboo Structure will be held during Global Bamboo and Rattan Congress (BARC) 2018 at Beijing, China.

Important parallel sessions are being held concurrently during these three day conference on bamboo and rattan. Please visit congress website for more information www.barc2018.org

- The role of bamboo in emergency shelters and social housing
- Bamboo building market –current situation, trends and challenges
- Bamboo buildings – answers for a sustainable living
- Bamboo composite material – the way forward
- Round pole bamboo structures
- Engineered and industrialised bamboo



25th -27th June 2018 at Beijing, China

Standardisation of Engineered Bamboo Structures in China

[Dr. Qingfeng Xu](#) from Shanghai Research Institute of Building Sciences(SRIBS) as an editor-in-chief working on compiling three specifications of China Association for Engineering Construction Standardization (CECS) as mentioned below;

- Technical Specification for Design of Engineered Bamboo Structures,
- Technical Specification for Testing of Engineered Bamboo Structures, and
- Technical Specification for Acceptance of Construction Quality of Engineered Bamboo Structures

Target completion date for all three specifications is December 2019.

New Key Experts



Recently 2 new Key experts joined INBAR's Construction Task Force. Prof. [Romildo D. Toledo Filho](#) who is Director of China-Brazil Center and President of Brazilian Society of Non-Conventional Materials and Technologies while [Verónica María Correa Giraldo](#) a Civil Engineer from the National University of Colombia and CEO of Kaltia and Bambuterra in Mexico. If you are interested in joining the task force, please follow the steps mentioned in "[How to become a key expert of INBAR Construction Task Force](#)".

[Sebastian Kaminski](#) as a part of specialists team from ARUP visited Rohingya refugee camps in Bangladesh where emergency shelters are constructed from bamboo. Training was provided on "the use of bamboo for construction in humanitarian and developmental contexts", along with technical advice on safe construction of housing and community buildings using bamboo. Technical support is ongoing, and currently conducting research into salt-water treatment of bamboo.



Photo received from Sebastian Kaminski

[Kent Harries](#) and [David Trujillo](#) presently leading the effort to revise [ISO Standard 22156: Bamboo – Structural Design](#). This effort was approved by ISO in 2017 and will be carried out over the next three years.

In January 2018, the task force members were called upon to comment on the initial draft of the ISO revision. Over 100 comments were received and are presently being addressed prior to an initial ballot of the draft by ISO TC 165.

Research

Report on Prevalence of "Bamboo" in Peer Reviewed Journals and current collaborative research project on Full-culm Bamboo as a Full-fledged Engineering Material by Prof. [Kent A. Harries](#), Senior Editor, *Construction and Building Materials* [Read More](#)

Awards

The Australia Regional Group from the Institution of Structural Engineers (IStructE) held an inaugural Young Researchers' Conference on 8th December 2017, [Mateo Gutierrez Gonzalez](#) received first prize for oral presentation titled "Design of fire safe bamboo structures" and awarded to be Australia's representative at the IStructE Young Researchers' Conference 2018 at London.

Publications

[Xu, Q](#), [Leng, Y.](#), [Chen, X.](#), [Harries, K.A.](#), [Chen, L.](#) and [Wang, Z.](#) (2018) Experimental study on flexural performance of glued-laminated-timber-bamboo beams, *Materials and Structures*, Vol 51, No. 9, <https://doi.org/10.1617/s11527-017-1135-2>

[Tellnes, L.](#), [Ganne-Chedeville, C.](#), [Dias, A.](#), [Dolezal, F.](#), [Hill, C.](#), & [Zea Escamilla, E.](#) (2017). Comparative assessment for biogenic carbon accounting methods in carbon footprint of products: a review study for construction materials based on forest products. *iForest-Biogeosciences and Forestry*, 10(5), 815.

[Gutierrez Gonzalez, M.](#), [Bonilla Santos, J. I.](#), [Cruz Amado, M. F.](#), & [Quintero Aranzalez, J. G.](#) (2018). Expansión lineal y punto de saturación de las fibras de la *Guadua angustifolia* Kunth. *Colombia Forestal*, 21(1), 12. doi: 10.14483/2256201x.11501

[Tellnes, L. G.](#), [Ganne-Chedeville, C.](#), [Dias, A.](#), [Dolezal, F.](#), [Hill, C.](#), & [Zea Escamilla, E.](#) (2017). Review of biogenic carbon in carbon footprint of modified wood. Paper presented at the Book of Abstracts.

[Gutierrez Gonzalez, M.](#), & [Maluk, C.](#) (2017). Design of fire safe bamboo structures. Paper presented at the Inaugural Australian Young Researchers' Conference 2017, Brisbane, Australia. <https://www.istructe.org/downloads/near-you/australia/yr2017-8-dec-at-ug-proceedings.pdf>

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CONSTRUCTION MANUAL

Constructing with bamboo

Third Edition adapted for Peru
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