

2022 WCAPT BOARD OF DIRECTORS ELECTION  
**NOMINEE QUALIFICATION STATEMENT**

NAME:

**CHRYSL ARANHA**

**Employment History:**

(Date)	(Company)
2016-2017	Project Officer at National Center for Safety of Heritage Structures, India
2017-2018	Researcher at Aalto University, Finland
2020-Present	Project Engineer at Holmes US

**Education:**

(Date)	(School)
2011	Bachelor's in Civil Engineering, National Institute of Technology, Karnataka, India
2012	Master's in Structural Analysis of Monuments and Historical Construction from Czech Technical University in Prague and Universitat Politecnica de Catalunya, Spain
2016	PhD in Civil Engineering from University of Minho, Portugal

**Selected Preservation Projects:**

(Date)	(List)
2016	Safety Assessment of the completion of an ancient masonry temple tower in South India.
2017	Structural Safety Assessment of the Dome of India's Presidential residence.
2021	Non-destructive Testing and Structural analysis for the restoration works of the Castle of Gjirokaster. Albania
2021	Conservation and Restoration of the Loutro fortress in Crete, Greece

**Publications / Lectures:**

Chapters in Books
1. Seismic Reinforcement of Traditional Timber Structures in Reinforcement of Timber Elements in Existing Structures, State-of-the-Art Report of the RILEM TC 245-RTE, (RILEM State Art Reports, volume 33, 2021, pp. 133-156)
2. Analysis of the Dome of India's presidential residence in Structural Analysis of Historical Constructions, Springer, 957-965, 2019.
3. Robustness assessment of an ancient timber roof structure in Historical earthquake-resistant timber framing in the Mediterranean area, Springer, Cham, 2016, 447-457

**Awards:**

(Date)	(Description)
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**Membership in Professional Organizations:**

ICOMOS Wood Committee, ISCARSAH, FENEC

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#### **Experience with WCAPT and other Preservation Organizations:**

I'm a co-founder and Board Member of FENEC, a non-profit association dedicated to creating awareness, establishing, and promoting the use of quantitative tools, namely, Non-Destructive Testing (NDT) and specialized structural analysis in conservation projects dealing with vernacular buildings, historical structures, monuments, and sites.