



**Ing. Mario Wagner Muñoz (Chile)**

Degree in Civil Engineering from the School of Engineering of the University of Chile (1974). His professional activity includes research, teaching and professional practice. Between 1972 and 1987 he worked as a researcher in the Department of Civil Engineering of the Faculty of Physical and Mathematical Sciences of the University of Chile, currently teaching the course "Design and Construction in Wood." Evaluator of Research projects presented in calls from the Technology Fund, FONTEC. He has done in the Magister in Design and Construction in Wood of the Faculty of Architecture, Construction and Design of the University of Bío-Bío, Chile, in courses related to the design and calculation of wooden structures. He collaborates with the Department of Civil Works Engineering of the University of Santiago in the project of medium-height construction systems using elements of contralaminated wood. He has also taught courses and conferences at several Chilean universities, and foreign universities among them, the Universidad Pontificia Bolivariana in Medellín, Colombia, the University of the Republic of Uruguay, the University of Applied Sciences Neubrandenburg, Germany. He has directed more than 30 degree reports of the Civil Engineering degree, as well as a master's thesis at the Universidad del Bío Bío.

He has made in the drafting of Technical Reports and Teaching Publications, highlighting: i) Draft definition and mechanical characterization of structural grades for sawn timber of radiata pine; ii) Classification of the structural wood of radiata pine; iii) Chilean regulations regarding the calculation of glued laminated wood constructions; iv) The additive method of components for the calculation and verification of fire resistance of walls, floors and ceilings; It has about twenty publications on wood and wood products in technical journals and newsletters. He is co-author of the Interpretation Manual of the Japanese Standard for the manufacture of structural laminated wood of the Forestry Institute, and of the Technical Report Examples of structural calculation in wood, of the Forestry Institute. He has developed the tables of pre-dimensioning of structural components of the Manual of Engineering and Construction in Wood of the company Arauco.

He has experience in the practice of the profession in the non-academic field, having been Project Manager of the Chilean Wood Corporation (1987-1992), and the company TRADEMA of glued laminated wood (1992-1998), and Consultant of the Chile Foundation, among others. Since 1999 he has been the Technical Manager of the INGE-WAG Engineering Services company. Since 1983 he has been a member of the "Maderas" standardization committee of the National Institute for Standardization, where he has made, among others, the drafting of the NCh1198 Standard Wood Construction. Calculation.