

Keynote Speakers

- Carvais, R. and Nègre, V. The Conservatoire National des Arts et Métiers and the preservation, dissemination and innovation of construction know-how (1794-1971)
- Clarke, L. and Wall, C. Omitted from History: Women in the Building Trades
- Giron, F.J. Drawing and construction analysis: From Piranesi to Choisy
- Ochsendorf, J.A. Engineering Analysis for Construction History: Opportunities and Perils

Session Papers

- Abbate, F. The planning and building instruments of architects in the late Middle Ages
- Addis, B. The Use of Scientific Calculations in Design Procedures for Heating, Ventilation, Daylighting and Acoustics from the Eighteenth Century to the mid-Twentieth Century
- Alonso, P.I. Diagrams of a universal system of construction in the work of Konrad Wachsmann: between representation and technology
- Amici, C. The Basilica of Maxentius in Rome: Innovative Solutions in the Organisation of Construction Process
- Antuña, J. The evolution of the Eduardo Torroja work's: shells with reinforcement rings or without
- Arce, I. Umayyad Arches, Vaults & Domes: Merging and Re-creation. Contributions to Early Islamic Construction History
- Arciniega, L., Juliana, D. and Trescolí, O. Representation of architecture in Hispanic construction during the Modern Age
- Arellano, J.F. Earthen industrial buildings in the Canal of Castilla, eighteenth and nineteenth centuries

- Bachmann, M. Divine staging. The civil engineering peculiarities of the Hittite spring sanctuary Eflatun Pınar
- Baker, N. and Agapio, A. The production cycles of the Scottish construction industry, 1802-2002
- Bardati, F. A building site in early Sixteenth-Century Normandy: the castle of Gaillon. Organization, workers, materials and technologies
- Barthel, R., Maus, H. and Jagfeld, M. Artistry and Ingenuity of Gothic vaults at the example of St. Georg in Nördlingen
- Beckh, M. Traditional construction techniques of the Newars at the example of Itum Baha monastery in Kathmandu
- Bernabeu Larena, J. The Iron-Wood Composite Section of the Carrousel Bridge in Paris (1834)
- Bernabeu, A. Origin of the collaboration between engineers and architects in Great Britain in the thirties
- Bertels, I. The Contractors' Intellectual Profile: Knowledge and Training of Nineteenth-Century Public Works' Contractors in 19th century Antwerp, Belgium
- Bertoncini-Sabatini, P. Antoine Chrysostôme Quatremère de Quincy (1755-1849) and the rediscovery of polychromy in Grecian architecture: colour techniques and archaeological research in the pages of "Olympian Zeus."
- Bodolec, C. Uncommon public buildings with vault with abutments in the Chinese landscape of wooden construction (sixteenth-eighteenth centuries)
- Bruculeri, A. Renewal and tradition in the teaching of building construction in the Ecole des Beaux-Arts of Paris: the course of Edouard Arnaud, 1920-1934

- Buonopane, S. G. The Roeblings and the Stayed Suspension Bridge: Its Development and Propagation in 19th Century United States
- Bustamante, R. Similarities and Differences in Barrel Vaults of Traditional and Stately Houses in the Historic Centre of Arequipa, Perú
- Calderini, C., Canziani, A., Lagomarsino, S. and Pittaluga, D. Structural framework evolution from the 17th to 20th century in the Genoa Republic's Shipyard. Architectural archaeology investigates the layers of the structure
- Calvo López, J. Sixteenth-Century Spanish Cranes and Lázaro de Velasco's translation of Vitruvius
- Camino, S., Llorente, A., Jové, F. and Sánchez, F. The subsoil network of bridges and vaults which cover the Esgueva river crossing the town of Valladolid, Spain.
- Campa, M.R. "Le nouvelles inventions pour bien bastir et a petits fraiz" by Philibert de l'Orme: a new way to conceive wood roof covering
- Cano de Gardoqui García, J.L. Juan Bautista De Toledo, Architect and Master Builder at the Monastery of El Escorial (1563-1567)
- Cantabene, G. , Dodaro, L. and Lippiello, M. "The repairs to the dome of the Chapel of St. Gennaro's Treasure": an Eighteenth Century dispute between F. Sanfelice and G. Lucchese
- Caston, P. Historic Roof Trusses between 1500 and 1700 in German-speaking Central Europe: Documentation, Analysis and Development
- Ceraldi, C., Ermolli, E.R. and Tempone, V. The Riding school in the Royal Palace of Naples: transformations in the timber covering structure
- Cerutti Fusco, A. Giuseppe Venturoli (1768 - 1846) hydraulic engineer in the Papal State

- Chamorro, M.A. and Cuenca, B. Ignasi Bosch Reitg (1910 - 1985). The construction of brick vaults during the post-war period
- Chieti, V. The role of the tridimensional virtual model in the “replica” project of architectural elements: the case of athenian neoclassic Academy by Th. Hansen
- Chiou, B-S Traditional Master Carpenter’s Manuals in Taiwan
- Chrimes, M. British and Irish Civil Engineers in the Development of Argentina in the Nineteenth Century
- Cipriani, B. and Lau, W.W. Construction Techniques in Medieval Cairo: the Domes of Mamluk Mausolea (1250 A.D.- 1517A.D.)
- Clarke, J. Cones, not Domes: John Nash and Regency structural innovation
- Cleary, R. Lessons in Tenuity: Frank Lloyd Wright’s Bridges
- Coccia, S., Como, M., Conforto, M.L. and Ianniruberto, U. Historical Static Analysis of the Coliseum
- Como, M.T. Analysis of the Statics of the Mycenaean Tholoi
- Conchon, A. Roads construction in the eighteenth century France
- Condorelli, S. The reconstruction of Catania after the earthquake of 1693
- Copani, P. Ancient wooden roofs in Sicily: the heritage of Taormina
- Corradi, M. A Short Account of the History of Structural Dynamics between the 19th and 20th Centuries
- Cossu, G.P. Technologies in comparison. glass tube production, project and implementation: from

- the SC Johnson & Son's Research Laboratory Tower by Wright to today's experimentations
- Croizé, J.C. A time when France chose to use prefabricated panel construction systems: the "4 000 logements de la Région parisienne" programme (1952-1958)
- Cross-Rudkin, P. Centres for Large Span Masonry Arch Bridges in Britain to 1833
- D'Amato Guerrieri, C. and Fallacara, G. Helicoidal Construction Geometry and Oblique Architectural Arrangement. The Spiral Staircase of the Belvedere and the Argument between de l'Orme and Bramante: Digital Models Compared
- Dahmen, J. Moorish Bridges of Andalucia
- De Villanueva, L. and Vela, F. Defilippis, F. The Horseshoe Arch in Toledo Architecture and stereotomy. The relation between "construction apparatus" and "decorative apparatus" in the cut-stone vaults and domes of Philibert De l'Orme and Andrés de Vandelvira
- Delemontey, Y. The MRU Experimental Building Competitions (1947-1951): the birth of industrialised building in France
- Durbin, L. Nineteenth Century Tiles; industrial mass production and construction methods of interior tile schemes in the nineteenth and early twentieth centuries
- Durmuş Arsan, Z. The Use of Saint-Gobain Glass Roof Tile in New Urban Districts of Turn-of-the-Century Izmir
- Eggemann, H. Simplified design of composite columns – based on a comparative study on the development of building regulations in Germany and the United States

- Emmanuelle, G. Jean Simon Bonnemain (1743-1830) and the Origins of Hot water Central Heating
- Ewen, S. The problem of fire in nineteenth century British cities: the case of Glasgow
- Fallacara, G. Digital stereotomy and topological transformations: reasoning about shape building
- Fedorov, S.G. Construction History in the Soviet Union - Russia: 1930-2005 Emergence, Development and Disappearance of a Technical Discipline
- Ficarelli, L. Town morphology: the relationship between form and building.
Preservation and recovery of dwelling houses in historical centres and in particular the double-reservoir building type of Corato (Bari)
- Fleury, F. & Lacroix, A. Analysis of the sub-rafter (sous-arbalétrier) in French medieval timberworks
- Fontana, L. Molding Earth Outline: Typology, Technology and Morphology of Earth Building
- Franco, J. A., Valcárcel, J. P., Freire, M. J. and Tarrío, S. B. Vaults and Other Constructive Singularities in the Monastery of San Martín Pinario
- Friedman, D. Building Code Enforced Evolution In Early Skeleton Buildings
- García, R. Concrete folded plates in The Netherlands
Gargiulo, M.R. and Bergamasco, I. The use of earth in the Architecture of Hassan Fathy and Fabrizio Carola: typological and building innovations, building technology and static behaviour
- Gasparini, D.A. The Prestressing of Structures
- Giacomini, L. The Management of Private Building Yards in Milan between 1550 and 1650: a History Reconstructed through Building and Supply Contracts
- Giglio, A. The decorative use of concrete in an “other” modernism: the Italian architecture of Dodecanese (1912-1943)

- Guy, J. Building Construction Practice in the Colony of New South Wales from the Arrival of the First Fleet to the End of the Primitive Era and its influence in later time
- Hahmann, L. How stiff is a timber curved plank? Historical discussions about curved plank structures
- Haseley, A. Masonry construction in Olympia, Greece, during the Roman Imperial Period – Mapping, Classification and Dating
- Heijden, J.J. van der, Visscher, H. and Meijer, F. Shifting responsibilities in Building Control in the Netherlands: a historical perspective
- Heres, B. The iron roof trusses of the New Hermitage in St. Petersburg - Structural Survey, analysis and assessment of a masterpiece of structural steelwork from the 1840s.
- Heyman, J. Timber Vaults
- Holton, A.B. The working space of the medieval master mason: the tracing houses of York Minster and Wells Cathedral
- How, C.I. Translated Tradition in the Portland Bay Settlement. Traditional timber framing techniques in a cultural development - Some features revealed in the Steam Packet Inn, Portland, Victoria, Australia\
- Huerta, S. and Ruiz, A. Some notes on Gothic building processes: the expertises of Segovia's cathedral
- Hurst, L. The rise and fall of the use of bond timbers in brick buildings in England
- Isohata, H. Construction History in Education - Why and how it should be learned
- Izquierdo, S. International and Universal Exhibitions; Spanish pavilions' new building construction techniques
- Jackson, M.D., Kosso, C.,

- Marra, F. and Hay, R.L. Geological Basis of Vitruvius' Empirical Observations of Material Characteristics of Rock Utilized in Roman Masonry
- Janssen, J. On Construction in the Rise of Wage Labour 1349-1563
- Jesús, A., Enrique, A. and Pepa, C. Historical Patents/Evolution of the Architecture of Century XX Constructed with Reinforced and Prestressed Concrete
- Jost, H.U. The Introduction of Reinforced Concrete in Switzerland (1890-1914) : Social and Cultural Aspects
- Kahlow, A. Johann August Röbling (1806-1869): Early Projects in Context
- Kazāks, V. and Kazāk, K. Development of a National Program for Identifying, Investigating and Preserving of 'Endangered Handicrafts'
- Kierdorf, A. Early Mushroom Slab Constructions in Switzerland, Russia and the U.S. A Study in Parallel Technological Development
- Kurrer, K.E. On the relationship between construction engineering and strength of materials in Gerstner's "Handbook of Mechanics"
- Lancaster, L.C. Large freestanding barrel vaults in the Roman Empire: A comparison of structural techniques
- Langenbach, R. Saga of the Half-timbered Skyscraper: What Does Half-Timbered Construction have to do with the Chicago Frame?
- Larson, N. Building a Stone House in Ulster County, New York in 1751
- Lavigne, O. Tool marks and construction in ancient Tanis
- Lennie, L. & Banfill, P. A Heritage of Shops: An Investigation into the Evolution of Historic Shopfronts in Perth and Perthshire

- Leslie, T. "Buildings Without Walls": Curtain Wall Development in Chicago Architecture of the 1890s
- Lewis, M B Puncheons and Dragons: Renaissance carpentry and semantics
- López, G.M. Poleni's manuscripts about the dome of Saint Peter's
- Lori, T. Engineers in Italian architecture: the role of reinforced concrete in the first half of the twentieth century
- Louw, H. Greeks, Romans & Goths in an Age of Iron
Lynch, G. C. J., Watt, D. and Colston, B. An Investigation of Hand Tools used for English Cut-and-Rubbed and Gauged Brickwork
- Macdonald, A J The aestheticisation of the steel framework: the contribution of engineering to a strand of Modern architecture that became known as High Tech
- Malvezzi, R., Alessandri, C. and Mallardo, V . On the seismic vulnerability of a Renaissance "palace with loggia": a limit analysis approach
- Marconi, N. Machine and symbol: the erection of the Marian column in piazza Santa Maria Maggiore in Rome (1613-1614) between tradition in the execution and technical progress
- Marín-Palma, A., Trallero, A., López-Tercero, A. and García, E. The Hunters' lounge panelwork. The Infantado Palace in Guadalajara
- Martens, P. Construction and destruction of military architecture in the mid-16th-century Low Countries: some observations on labour force
- Mateus, J.M. The science of fortification in Malta in the context of European architectural treatises and military academies

- May, R. Paul Bonatz and the search for an "art-form" for motorway bridges
- Mende, M. The Crucial Impact of Improvements in Both Steelmaking and Rolling on 19th and Early 20th-Century Building Construction
- Menghini, A.B. Building traditions and technical innovations in the Mediterranean. Architecture in the 1930s in Apulia: Gaetano Minnucci's Accademia Marinara in Brindisi
- Mileto, C., Vegas, F. and García, J.A. Stratigraphic Study of Hernando De Zafra Arab Baths in Granada (Spain)
- Miquel, M., Montero, E. and Serra, A. Factors of technical innovation in valencian architecture during the Medieval and Modern Ages: learning, know-how and inspiring admiration
- Mislin, M. The Planning and Building Process of Two Paris Bridges in the 16th and 17th Century
- Mongelli, A. A new wood roofing system: Marac's barracks and Colonel Armand Rose Emy's innovative supply
- Monni, G. Autarkical materials and modern materials. Autarkical lodging houses in Carbonia.
- Montemurro, M. The operating tradition of the Compagnonnage du Devoir du Tour de France
- Mornati, S. The Montecatini Building in Milan: An Original Union Between Internationalism and Italian Constructivist Traditions
- Mouterde, R. The stiffening system of medieval timberwork in the cathedral of Saint Pierre de Poitiers
- Neder, F. Flying House. Archaeology of the Construction of Buckminster Fuller's Dymaxion House
- Nikolinakou, M.A. and Tallon, A.J. New Research in Early Gothic Flying Buttresses

- Orihuela, A. The Use of Wood in Morisco Houses in 16th Century Granada (Spain)
- Orsel, E. Brickwork in Leiden: A Survey of Sixteenth and Seventeenth Century Characteristics
- Ortueta Hilberath, E. de The National Devastated Regions Service in Tarragona: Building Techniques in House Rehabilitation
- Palacios, J. The Gothic Ribbed Vault in Rodgrio Gil De Hontañón
- Pearson, L. In the latest London style: Decorative tile and terracotta exports by British manufacturers, 1840-1940
- Pedreschi, R. The Structural Behaviour and Design of Free-Standing Barrel Vaults of Eladio Dieste
- Pelke, E. The Development of the Prestressed Concrete Bridge in Germany after World War II
- Peñalver Martínez , M. J. and Maciá Sánchez, J.F. Underwater Construction in the 18th century. The Royal Arsenal in Cartagena - an Extraordinary Case
- Pepper, S. and Yeomans, D. Working class flats in the 1930s: Steel versus Concrete
- Pieper, J. and Schindler, B.B. Concept and Reality. Different technical variations of the geometrical construction of Maulnes castle
- Powell, C.G. Genesis of a General Contractor: a Georgian Vernacular Builder Transformed
- Quagliarini, E. Earth constructions in the Marche region (Italy): building techniques and materials
- Ranaweera, M. and Abeyruwan, H. Materials used in the construction, conservation, and restoration of ancient stupas in Sri Lanka

- Ranzetta, K.E. The Dating of Tobacco Barns in St. Mary's County, Maryland: Experimenting with the Archaeology of Architecture
- Rimmer, J.A.E. A Re-assessment of the Use of Building Accounts for the Study of Medieval Urban Houses
- Ringbom, A., Hale, J. , Heinemeier, J., Lindroos, A. and Brock, F. Mortar dating in Medieval and Classical Archaeology
- Riorden, E. H. A Hadrianic theater at Ilium (Troy): a paradigm shift for Roman building practice and its aesthetic aftermath
- Roberts, T. J. Hodkin and Jones: A legacy cast in stone? An investigation into the significance of concrete in domestic buildings in Britain during the late nineteenth and early twentieth centuries
- Robinson, D. Traditional Becomes Modern: The Rise of Collegiate Gothic Architecture at American Universities
- Rociola, G.F. The "salt landscape" of Margherita di Savoia. Traditional characters and technical evolution of the coastal saltwork in relation to the development of the settlement
- Rodríguez-Camilloni, H. The Survival of Gothic Rib Vaulting in the Viceroyalty of Peru
- Romba, K. Aesthetics and the Professional Identity of the Modern German Engineer
- Rozhko, M.F.;
posthumously edited
and prepared by Rozhko, V.M.
and Stachiw, M.O. Defining the ninth -thirteenth century fortress Tustan': building archaeology of a log, cliff-side structure

- Sagaydak, M. Building Archaeology of the Secular Architecture of the 10th – 11th Century Kyivan Rus' Town
- Sakarovitch, J. Construction History and Experimentation
- Sanjurjo, A. *The vis Saint Gilles quarrée* or the *caracol de emperadores cuadrado*: a model frequently encountered in Spanish-French architectural treatises from the Modern Period
- Sanjust i Latorre, C. The Construction of the Royal Monastery of Santa Maria de Pedralbes (Barcelona)
- Sanna, A. Construction and building yard in an autarchic “company town”
- Schlimme, H. Construction Knowledge in Comparison: Architects, Mathematicians and Natural Philosophers Discuss the Damage to St. Peter's Dome in 1743
- Seraphin, M. The Influence of the German Railways on the Birth of Modern Timber Engineering
- Sheppard, R.J. Standing in the Corn Field, Talking to the Walls, and Peeling Back the Layers: Using Fieldwork to Discover the Construction of Vernacular Architecture
- Silva, M.E. Foreign Iron in Venezuelan Architecture: Modern Building Technologies at the End of Nineteenth Century
- Simons, E. Life on the Edge: The Rock-Cut Dwellings of Kinver Edge
- Soler Verdú, R., Martinez Boquera, A . and Alonso, A. The eighteenth century brickwork domes in Valencia
- Stigliano, M. “The trompe of the INCIS building of Saverio Dioguardi, mediterranean architect of the XX century”

- Sturrock, N.S. and Lawson-Smith, P. The Grandfather of Air-Conditioning – The Work and Influence of David Boswell Reid, Physician, Chemist, Engineer (1805 – 1863)
- Swenarton, M. C. Breeze blocks and Bolshevism: housing policy and the origins of the Building Research Station 1917-21
- Taín-Guzmán, M. Fifteen Unedited Engraved Architectural Drawings Uncovered in Northwest Spain
- Tamborero L. The “Vis Saint-Gilles”, symbol of compromise between practice and science
- Tavares, A. The effects of concrete on Portuguese architecture. The Moreira de Sá & Malevez case (1906-1914)
- Taylor, P. A Last Fling in Local Distinctiveness
- Theodossopoulos, D. Technology and geometry in the design of gothic vaults in Britain
- Thomson, N. A Study of Early Corrugated Iron Buildings in Rural Scotland
- Tragbar, K. “De hedificiis communibus murandis ...” Notes on the beginning of building regulations in medieval Tuscany
- Turnbull, J. The architecture of Walter Burley Griffin: concrete applications
- Tussenbroek, G. van *To Provide the Old Church with Good Foundations to Prevent Subsidence*. Builders' Specifications in Amsterdam
- Van de Vijver, D. R. E. “Mesurer la solidité”. The art of measuring buildings in Belgium, 1451-1960
- Van den Hurk, J. Origins and Survival of Netherlandic Building Traditions in North America
- Vignoles, M.J.P. Kiev Suspension Bridge. (1846 – 1853)

- Voyatzaki, M. Construction history in the architectural curricula in Europe
- Vries, D.J. de Brickwork-Related Innovations in the Seventeenth and Eighteenth Century
- Wells, C. Dendro-Dating the Domestic Architecture of Colonial Virginia: Exploring the Potential of Certainty
- Wendland, D. A flat vault in the "Crac des Chevaliers" and some considerations on the development of vault geometry and stereotomy in mediaeval masonry structures in Syria
- Wermiel, S. E. Norcross, Fuller, and the Rise of the General Contractor in the United States in the Nineteenth Century
- Werner, G. John August Roebling – The Niagara Railway Suspension Bridge
- Wetzck, V. Bridge bearings – A Historical Survey
- Wilkinson, D. The significance of the former Bryant & May match factory, Garston, Liverpool
- Wood, J.J.B. The defences at Saint-Bertrand-de-Comminges: some observations on the mechanics of the late Roman building trade
- Wouters, I., De Bouw, M. and Nieuwmeijer, G.G. Nineteenth-century Iron Suspension Footbridges in Flanders (Belgium)
- Yilmaz, E. Using Constructional Records as Alternative Sources For Historical Writing
- Zotsenko, V. A Wooden Church of the twelfth century in Podil, Kyiv, Ukraine