



The Association for Preservation Technology International
Association pour la préservation et ses techniques

For immediate release

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The *APT Bulletin's* Latest Issue Focuses on Cast and Wrought Iron

Among the most versatile architectural materials, cast and wrought iron were especially popular in America during the late-nineteenth and early-twentieth centuries. They were used in storefronts, residences, warehouses, and factories. This special issue assembles papers presented at the Symposium on the Restoration of Historic Cast and Wrought Iron held at Columbia University in New York City on March 19, 2011. Hosted by the Historic Preservation Education Foundation, Columbia University, the American Institute of Architects Historic Resources Committee, and the Association for Preservation Technology's Northeast Chapter, this symposium brought together historians, preservation architects, engineers, conservators, fabricators, and craftspeople to discuss the history and characteristics of these materials, as well as appropriate conservation, repair, restoration, and replacement treatments.

In this issue Carol Gayle and John G. Waite celebrate the dedication and determination of Margot Gayle, who is credited with saving cast-iron buildings in the SoHo neighborhood of Lower Manhattan from large-scale demolition. Richard Pieper presents an overview of the history of the preservation of cast and wrought iron and identifies nine technical issues to consider when embarking on a cast-iron restoration. J.

Scott Howell explores how patternmaking for architectural castings has entered the digital age via 3D laser scanners, modeling software, and 3D routers. Conrad Paulson addresses the challenges of identifying strength characteristics and treatment strategies for ferrous structural metals and demonstrates how variables embedded in early, non-standardized production processes shape their structural performance. Edmund Meade illuminates the importance of careful evaluation and documentation for cast-iron architectural and structural systems, as well as the close collaboration of all stakeholders. Next, Robert Bates focuses on 101 Spring Street in SoHo, former home and studio of artist Donald Judd, discussing how the removal, refurbishment, and reinstallation of architectural cast iron added to the material's longevity. Finally, Doug McLean examines the perennial question of replacement versus repair of cast iron by drawing on decades of experience in the harsh coastal climate of Galveston.

Also in this issue of the *APT Bulletin*, courtesy of book review editor Frances Gale, is Thomas King's discussion of *Archaeological Sites: Conservation and Management*, edited by Sharon Sullivan and Richard Mackay.

Finally, the APT Building Technology Heritage Library column by Mike Jackson highlights catalogs with cast-iron products, including some plumbing and heating catalogs.

The Association for Preservation Technology is the only international organization dedicated solely to promoting the best technology for conserving historic structures and their settings. Founded in 1968 in Québec as a joint venture between Canadian and United States preservationists, APT provides members with benefits such as publications, networking, conferences, training courses, and student scholarships. As a

benefit of membership, APT members can search, browse, download, and print full-text PDF versions of past *Bulletin* articles on JSTOR, an international online digital archive.

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The *APT Bulletin*, a peer-reviewed, scholarly journal, is a valued source for state-of-the-art information on preservation technology. Published three times a year by APT, the *Bulletin* examines all aspects of preservation technology in feature articles and book reviews, keeping readers at the leading edge of the field.

Mount Ida Press, which edits and produces the *APT Bulletin*, specializes in high-quality publications on history, architecture, and building technology. For further information about the *APT Bulletin*, please contact the editorial office in Albany, New York, at 518.426.5935 or at info@mountidapress.com.

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