

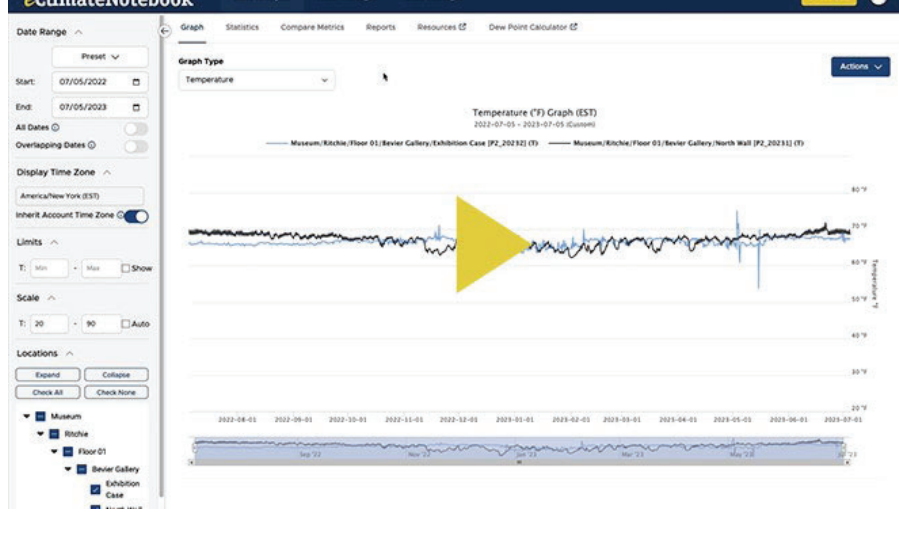
NEH Funding Will Support Mechanical Testing of 3D Printed Materials

IPI has been awarded \$315,854 from the National Endowment for the Humanities Research & Development grant program to support a three-year research project titled, *Evaluating the Mechanical Stability of 3D Printed Materials to Inform Collections Care Decision Making for Preservation and Access*. The project aims to evaluate the mechanical stability of 3D printed materials used in preservation and access activities. Digital scanning and printing technologies are finding increased use by cultural institutions as they offer new opportunities to reduce the risk of damage to objects during treatment and exhibition preparation by enabling custom-tailored solutions in minimally invasive ways. While 3D printing offers improved efficiencies and outcomes for certain applications, the mechanical and chemical stability of printed materials used in these contexts remains understudied. This project will assess mechanical properties of 3D printed materials exposed to changing environments and as they apply to three major areas of use in preservation and access, namely i) dimensional change of 3D printed materials used for object infills, ii) creep behavior of 3D printed mounts, and iii) damping properties of 3D printed materials in response to dynamic loads.

[Read more about current 3D print research initiatives](#)

eClimateNotebook®

featuring PRESERVATION METRICS



Preview the New Version of eClimateNotebook®

In 2004, IPI released ClimateNotebook, the first desktop software designed specifically for libraries, archives, and museums to graph environmental data and generate reports with preservation analysis. In 2012, eClimateNotebook (eCNB) was launched. A web application that synthesized the strengths of ClimateNotebook, and IPI's other preservation management tools (MyClimateData and PEMdata) into a single, unified platform. This year we look forward to celebrating another milestone in IPI's 20+ years of commitment to preservation management programs, when we launch an upgraded version of eClimateNotebook. Our efforts to update and upgrade the eCNB user experience have taken longer than expected, but the additional time allocated ensures that we meet our goals and expectations for the rewrite. We hope to announce the official launch date soon. In the meantime, enjoy this [preview of the new eCNB](#) and learn more about the [new pricing model, compatible logger options, and the new Enterprise subscription level](#).

WE ARE HIRING!

Sustainable Preservation Specialist

Job Opportunity: Sustainable Preservation Specialist

IPI is looking for a new team member in a redefined Sustainable Preservation Specialist role. The Sustainable Preservation Specialist supports professionals working in collecting institutions with environmental monitoring and sustainable preservation practices. They assist collecting institutions with basic environmental monitoring and data analysis, advise on logger placement in collection storage and exhibition spaces, and provide instruction on the use of IPI's data management and analysis software, eClimateNotebook. The successful candidate may have a background in collections care, preventive conservation, environmental sustainability, or mechanical system operations. IPI will support mentoring and professional development to ensure a comprehensive background in sustainable preservation practices and topics. This posting is for a 2-year contract with the potential for extension. The RIT wage band for this position is 118H, with a minimum compensation of \$21.95/hour to \$36.77/hour.

[Learn more about the position \(RIT Career Zone, 8520BR\) and apply](#)

Education & Training Opportunities

Workshops

September 17-18, 2024

Workshop: Managing Preservation Storage Environments

Location: Image Permanence Institute, Rochester, NY

Environmental management is a critical component of collections preservation and sustainability in collecting institutions. Maintaining a careful balance between slowing the rate of collection decay while minimizing energy costs requires an ongoing commitment to monitoring, analysis, and management. This workshop will i) provide instruction on the best practices for collecting environmental data in collections spaces, ii) discuss the fundamentals of environmental data analysis and how to use IPI's Preservation Metrics to interpret environmental risks, and iii) introduce sustainable preservation practices that can inform environmental management decision making. The intended audience is collections staff newly, or recently, made responsible for environmental management of collections spaces, and interested in learning the fundamentals of environmental monitoring and sustainable preservation practices for environmental management.

[More Information and Registration](#)

October 15-17, 2024

Workshop: Practical Introduction to Mechanical Analysis of Cultural Heritage Materials

Location: Image Permanence Institute, Rochester, NY

This workshop will provide a theoretical and practical understanding of static mechanical analysis and dynamic mechanical analysis, with a view to characterizing the physical properties of heritage materials, and developing appropriate methodologies for conservation and preservation applications. Over the course of three days, participants will be introduced to the fundamental concepts of mechanical analysis and data analysis, and participate in practical laboratory sessions using tensile testers, dynamic mechanical (thermal) analysis, and dynamic mechanical (humidity) analysis. These sessions will be supplemented with case study examples from the field of conservation and preservation, providing tangible examples of how mechanical properties can inform the treatment, storage and display of objects, mechanical test method development, and test limitations. The target audience is conservation professionals new to mechanical analysis who wish to perform laboratory analysis or conservation professionals working in collaboration with heritage scientists and engineers wishing to equip themselves with a fundamental knowledge to inform discussions.

[More Information and Registration](#)



Salt Lake City 2024

IPI at the American Institute for Conservation's Annual Meeting

Date: May 20-24, 2024

Location: Salt Lake City, UT or Virtual

Registration Required

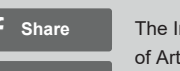
In-person and Virtual Attendance Options Available

Marvin Cummings, Research Scientist, will present ["Interrogating the Preservation Performance and Sustainability of Sealed Frame Packages for Transit: Assessing the Thermal Insulation and Moisture Buffering Capabilities of Different SFP Designs and Materials Through Exposure to Simulated Environments"](#) as part of the Towards Art and Transit 2.0 session on Monday, May 21st from 2:30-3:00pm. Meredith Noyes, Research Scientist, will present ["Cultural Heritage and 3D Printing: State of the Art and the Technology's Future"](#) on Thursday, May, 23rd from 2:00-2:30pm.

[Additional Information and Registration](#)

Save 5% on HOBO monitoring products that are compatible with eClimateNotebook®

IPI has a partnership with Onset, maker of HOBO Data Loggers, that allows eClimateNotebook(eCNB) subscribers to save 5% off the price of HOBO monitoring products that are eCNB compatible. Datalogger options include manual and wireless downloading options. Use promotional code **eClimateNotebook5** at the time of purchase to save. Visit <https://www.onsetcomp.com/eClimateNotebook/> for more information. A portion of the proceeds from these sales will be returned to IPI to support our mission.



Facebook Share

Tweet

LinkedIn Share

Forward

The Image Permanence Institute® (IPI) is an academic research center within the College of Art and Design at Rochester Institute of Technology (RIT) dedicated to supporting the preservation of cultural heritage collections in libraries, archives, and museums around the world.

Rochester Institute of Technology
Image Permanence Institute - GAN 2000

70 Lomb Memorial Drive

Rochester, NY 14623

(585) 475-5199

You are receiving this email because you are subscribed to the Image Permanence Institute mailing list.

[Preferences](#) | [Unsubscribe](#)