

Survey Results: 3D Printing and 3D Printed Objects in Collecting Institutions

In May-June 2022, IPI conducted an online survey assessing how collecting institutions are using 3D printing and interacting with 3D printed objects and materials. The survey covered three major areas: 3D printed objects and artwork found in collections, conservation treatments of 3D printed objects, and 3D printing in preservation and access activities, including its use as a tool in conservation treatments of non-3D printed objects, exhibition and display, and collections transportation. Participants were able to choose which sections of the survey to take depending upon their professional experience with 3D printing. A preliminary report containing a few of the survey highlights was released in August of 2022. The full-length report provides a more comprehensive list of the questions asked in the survey and summarizes the survey findings.

[Download Full Report \(PDF\)](#)



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Introducing Dr. Jacek Olender, Postdoctoral Researcher

IPI is thrilled to announce that Dr. Jacek Olender will join the team as a Postdoctoral Researcher. Jacek brings research experience from the disciplines of conservation science and the conservation of paintings as well as polychrome sculptures. He was awarded his PhD in 2020 from The Courtauld Institute of Art, where he investigated the potential application of state-of-the-art gecko-inspired dry adhesives in art conservation. Prior to joining IPI, Jacek held the position of Research Fellow at the University of Glasgow, where he further developed his research skills and understanding of the physical properties of novel adhesives.

Jacek will manage the materials testing experiments for our most recent IMLS-funded research project, *Mapping Environmental Conditions That Prevent Plastic Deterioration While Contributing to Sustainable Preservation Environmental Management*. He will conduct research using advanced thermo-mechanical analytical techniques and data analytics to quantify the impact of changing environments on the mechanical properties of plastic composites, with a view to identifying safe storage, display, and handling conditions for historic plastics.

"I am very excited to join the IPI for this project. Its research questions are both important and urgent. Hopefully together we can optimize storage conditions for plastics in museum collections, which is one of the field's most critical challenges at a time when museums are aiming to minimize their environmental impact. Joining the IPI as a researcher is a great opportunity for me to learn and grow, and to open up new research perspectives and collaborations."

Job Opportunity

Preventive Conservation Specialist

Job Opportunity: Preventive Conservation Specialist

The Image Permanence Institute is looking for an early- to mid-career conservation professional (all disciplines are encouraged to apply) who is committed to supporting and assisting collecting institutions with essential preventive conservation activities. The Preventive Conservation Specialist's primary role is to serve as a consultant to collecting institutions and provide information and guidance on the role of environment in preservation, and best practices for sustainable environmental management. Additional responsibilities include outreach (teaching and publication), research, and technical support activities. Outreach activities include the development and presentation of workshops, seminars, webinars, and conference presentations on IPI's environmental projects, research, products, and services. The Preventive Conservation Specialist will also be expected to prepare articles for both peer-reviewed journals and practical educational publications. Contributions to research include collaborating on the development of research initiatives and grant applications in the area of preventive conservation, assistance with the implementation of ongoing IPI research, evaluation and analysis of research data, and preparation of reports.

[Learn more about the position \(RIT Career Zone, 7335BR\) and apply](#)

Education & Training Opportunities for 2023

Workshops and Webinars

IPI is committed to realizing its mission in ways that ensure research, education programs, resources, and tools are accessible to as broad and diverse of an audience as possible. In calendar year 2023 we will offer a range of online and in-person education and training programs designed to support essential preservation program activities and responsibilities.

Webinar Series: Sustainable Preservation Practices for Managing Storage Environments

This three-part webinar series can serve as an introduction or refresher course on the fundamentals of sustainable preservation environmental management. Each webinar summarizes key concepts outlined in *IPI's Guide to Sustainable Preservation Practices for Managing Storage Environments* including understanding how environmental conditions influence the preservation of collections, implementing environmental monitoring programs, and administering a sustainable environmental management program. For this webinar series we suggest team participation and encourage facilities and collections staff to attend the webinar sessions together.

[More Information and Registration](#)

Webinar Series: Best Practice for Using the IPI Preservation Metrics to Assess Collection Risks

When evaluating a collection space environment, one of the primary questions to address is: *how can I quantify the risks to my collection?* This two-part webinar series serves as an introduction to using the IPI Preservation Metrics to evaluate and assess chemical change and mechanical damage in organic collections. For this webinar series we suggest team participation and encourage facilities and collections staff to attend the webinar sessions together.

[More Information and Registration](#)

Workshop: ISO Testing and the Photographic Activity Test (PAT)

The Photographic Activity Test (PAT) is an international standard widely applied within the cultural heritage field to predict possible chemical interactions between photographs and their enclosure materials (e.g. albums, frames, storage materials) after prolonged contact. This workshop will provide an overview of the importance of materials testing with particular regards to the PAT, including the test's history, development and application, how it is run, and interpretation of results.

[More Information and Registration](#)

Workshop: Photographic Process Identification

When examining a photograph, viewers must evaluate the clues that the physical object itself presents to properly identify the photographic process(es) used to create the photograph. This skill—which is described in shorthand as 'process identification'—is something that each new generation of scholars and collections stewards must develop for itself. This workshop will teach participants the tools and skills necessary for successful photographic process identification using a structured methodology and controlled vocabulary for organizing visual information, hands-on practice examining 19th, 20th, and 21st century processes from IPI's study collection, and instruction on how to use www.graphicsatlas.org as a reference resource for identification.

[More Information and Registration](#)

Upcoming Event

2023 Photographic Materials Group Winter Meeting

Date: February 22-24, 2023
Location: Austin, TX or Virtual
Registration Required

Jennifer Jae Gutierrez, IPI's Executive Director, will be the keynote speaker for a session on [sustainability in preservation](#) at the [American Institute for Conservation's Photographic Materials Group Winter Meeting](#) at the Harry Ransom Center, University of Texas at Austin. Her talk is titled, *Monitoring, Metrics, Mechanical Systems & Methodologies: The Evolution of Sustainable Environmental Research at the Image Permanence Institute*. The session will also include a panel discussion with other session presenters and time for questions and answers from attendees. The conference includes both in-person and virtual registration options.

[Additional Information and Registration](#)

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

eClimateNotebook is compatible with a range of dataloggers capable of converting or producing data as a CSV file. IPI has a partnership with Onset, maker of HOBO dataloggers, which are used in a wide range of collecting institutions. eClimateNotebook subscribers can save 5% off the price of HOBO monitoring products that are compatible with eClimateNotebook by using promotional code **eClimateNotebook5** at the time of purchase from Onset. 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.



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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

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