



5th International Conference Integrated Pest Management for Cultural Heritage
Berlin, 18–20 September 2024

Wednesday, September 18st

Day 1 focus: **IPM in theory – Requirements to succeed**

08:30 Welcome and registration

10:00 **Opening Session** – Greeting remarks

10:20 **Keynote - Ecology of insects in biodeterioration**

Johannes Vogel, Director General Museum für Naturkunde Berlin

10:50 Session 1

Disseminating IPM advice and recommendations. Using Risk Zones as part of an IPM Strategy for Insect Pests: A Case Study

Amy Crossman & David Pinniger

What to include in an IPM programme - risk versus benefit

Suzanne Ryder & Tom Strang

IPM Communication in Museums! A Vital Component for Establishing Effective IPM Programmes in Zimbabwe's national museums

Davison Chiwara

Climate change and its effects on indoor museum pests (insects and fungi) in Austria

Pascal Querner, Katja Sterflinger, Katharina Derksen, Bill Landsberger, Rudy Plarre, Johanna Leissner, Stefan Bichlmair & Peter Brimblecombe

12:10 Lunch

13:30 Session 2

Every Bit(e) Counts – managing pest monitoring with a distributed team at a multi-site museum

Katherine List, Siobhan Watts & Christian Baars

Advancing Pest Management: Developing A Pest Occurrence Index-Based Analysis Tool at University of Arizona Libraries Special Collections

Elise Etrheim & *Fleur van der Woude*

Interpreting insect trapping data

Peter Brimblecombe

Jira Service Management as a Tool for IPM Collaboration and Management:

Sharing Information Across Collections and Facilities at the Art Institute of Chicago

Sarah Gordon, Laticia Annison-Romano, Rebecca Barresse, Atticus Bikos, Ricardo Robles, Megan Kaiser & *Megan Creamer*



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14:50 Coffee break and Poster session

15:30 Session 3

Detection of Wood Boring Insects Larvae based on Acoustic Emission

Stephan Biebl

**Identifying woodboring beetles with novel methods: the pros and cons of using
smartphone apps, metabarcoding, LAMP as well as traditional pictorial diagnostic tools**

Olaf Zimmermann, Björn Lutsch, Iris Häussermann & Martin Hasselmann

Identifying Potential Insect Pests at the Science Museum, University of Coimbra:

A Prelude to IPM Implementation

Ana Cristina Rufino

20-years monitoring of aerobiocontamination in the Old Fund of the Arsenal Library (BnF)

Valentin Rottier & Simona Drago

17:00 End of day 1 sessions

19:00 Reception at Dinosaur hall, Museum für Naturkunde Berlin



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Thursday, September 19th

Day 2 focus: **IPM in practice – Biodiversity in a changing world**

09:00 Session 4

Where and how do they come from – Genetic variability of gray silverfish *Ctenolepisma longicaudatum* and ghost silverfish *Ctenolepisma calvum*

Bill Landsberger & Thomas von Rintelen

Management of a Biscuit Beetle (*Stegobium paniceum*) infestation in Perne Library, Peterhouse College, Cambridge

Amber Xavier-Rowe & Scott Mandelbrote

NMAI New York Moth Mitigation Project: A Collaborative Endeavor

William Chimborazo & John George

Integrated Pest Management at the Royal apartments in Pitti Palace (Florence, Italy): a case study

Oana Adriana Cuzman, Elena Pozzi, Flavia Puoti, Alessandra Griffo, Sveva Longo & Cristiano Riminesi

10:20 Coffee break

11:00 Session 5

Evaluation of a quarantine strategy able to reduce the risk of artworks' biodeterioration

Francesca Maisto, Nikola Klištincová, Magdaléna Rusková, Domenico Pangallo, Anna Nosáľová-Zdravecká, Katarína Vaneková & Barbara Davidson

Exploration into the evolution and innovations of rodent IPM – Discussing the humaneness of various traps and baits in the Australian War Memorial

Eileen Procter

Natural enemies of the long-tailed silverfish *Ctenolepisma longicaudatum* (Lepismatidae): are there options for biological control?

Matthias Schöller & Sabine Prozell

12:00 Lunch



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13:20 Session 6

Evaluation the effectiveness of Nitrogen Gas to control Insect Pest on Printed Book
Mohammad Hefny Abdelkarim & Dina Yehia Abdelgawad

Cyanotypes and anoxia: Investigations on the color changes of cyanotypes during and after anoxic treatment

Justine Bolle & Bill Landsberger

The effects of sub-lethal temperatures on the feeding behavior and growth rate of the webbing clothes moth, *Tineola bisselliella* (Hummel) (Lepidoptera: Tineidae): Integrated Pest Management (IPM) implications for conditioning spaces to mitigate harm caused by clothes moths

James Feston, Patrick Kelley & Samantha Kiever

Conquering Complexity: A Novel IPM Resource for Mixed Media

Ashley Bowersox

14:40 Coffee break and Poster session

15:20 Session 7

Is innovation still possible in heritage IPM?

David Loughlin

Implementing IPM at the SNSB – a steep ascent with the summit in view

Juliana Bahia, Carla Novoa, Nadja Pöllath, Melanie Altner, Dieter Doczkal, Stefan Friedrich, Christina Günther, Lars Hendrich & Katja Neven

Innovative Approaches for Early Detection and Prevention of Fungal Contamination and Dry rot contamination in Cultural Heritage Environments

Rukshala Anton, Corinne Bounhoure, Walid Djadane, Isabelle Lacaze, Mélanie Nicolas, Sutharsini Sivanantham, Priscilla Thiry, Faisal Boustta, David Garon, Antoine Gery, Stéphane Moularat

16:30 End of day 2 sessions

19:00 Conference Dinner at Baret roof top restaurant Humboldt Forum



Friday, September 20th

Day 3 focus: **IPM in practice – Last resort pesticide?**

09:00 Session 8

Portable X-ray fluorescence screening of objects as a tool for communicating IPM

Kilian Anheuser

Control of Silverfish in a museum setting using Advion Cockroach Gel bait

Sean Loakes & Abby Moore

Long-lasting Insecticide Netting as barrier settings to prevent infestation of wooden objects by *Anobium punctatum*

Rudy Plarre, Eric Breitung, Megan Creamer, James Feston, Pat Kelley, Samantha Kiever & Adam Osgood

Adaptive freezing as object-friendly and efficient pest control method? –

A field report after 4 years of IPM freezer use

Maruchi Yoshida & Lars Klemm

10:20 Coffee break and Poster session

11:00 Session 9

25 years of controlling insect pests found in historic collections using heat

Amber Xavier-Rowe, Dee Lauder, Sally Johnson, David Thickett & David Pinniger

Not precious – unwanted growth in and salvage of a valuable mineralogical collection

Dirk Neumann, Cordula Bracker, Alexander Daasch, Eileen Nguyen, Thilo Weddehage, Matthias Preuß, Benjamin Frenzel & Stefan Peters

Integrated Pest Management procedures in the historical residences of the House of Savoy, Piedmont, North-West Italy (UNESCO-WHS-823bis): survey campaigns and data analysis

Enrica Matteucci, Alessandra Destefanis, Marco Nervo, Michela Cardinali & Federica Pozzi

12:00 **Final session** – Closing remarks

12:30 Lunch

14:30 **Excursions**

16:00 End of conference