

The Foundation of the American Institute for Conservation, in partnership with the Lunder Conservation Center, the Smithsonian National Air and Space Museum, and the International Council of Museums Committee for Conservation Metal Working Group presents

Aluminum: History, Technology and Conservation

April 7 - 9, 2014

Smithsonian American Art Museum &
National Portrait Gallery Washington DC
8th and G Streets, NW, Washington, DC

CONFERENCE SCHEDULE

Monday, April 7

8:30 – 9:00 Registration and check in at SAAM

9:00 – 9:15 Welcome and opening remarks

SESSION 1: HISTORY, PRODUCTION, FABRICATION AND USE OF ALUMINUM

CHAIR: LYNDSIE SELWYN

9:15 – 10:00 **KEYNOTE ADDRESS: Lyndsie Selwyn**, Senior Conservation Scientist, Canadian Conservation Institute, Ottawa: *'Aluminum: A Modern Metal In Cultural Heritage'*

10:00 – 10:20 **Robert van der Linden**, Smithsonian National Air and Space Museum, Washington DC: *'Aluminum Alloy and Aircraft Construction'*

10:20 – 10:30 Q and A

10:30 – 11:00 Coffee Break

11:00 – 11:20 **John Weritz**, The Aluminum Association, Arlington: *'Aluminum – A Modern Metal with Historical Importance'*

11:20 – 11:30 Q and A

SESSION 2: CORROSION AND DETERIORATION STUDIES

CHAIR: IAN MACLEOD

- 11:30 – 12:15** **Ian MacLeod**, Executive Director, Fremantle Museum and Maritime Heritage, Western Australian Museum, Perth: *'In-situ Corrosion Studies and Treatment of Corroded Aluminium Alloys'*
- 12:15 – 12:35** **Achal Pandya**, Indira Gandhi Center for Arts, New Delhi: *'Corrosion Characteristics of 3000 Series Aluminum Alloy Exposed in Different Climatic Conditions (Pollution Zones) of India'*
- 12:35 – 12:45** Q and A
- 12:45 – 2:00** Lunch on your own
- 2:00 – 2:20** **Richard Russell**, NASA Kennedy Space Center: *'The History of Orbiter Corrosion Control (1981 – 2011)'*
- 2:20 – 2:30** Q and A
- 2:30 – 2:50** **Lisa Young**, Smithsonian National Air and Space Museum, Washington DC: *'Finding a Suitable Method for Chloride Removal and Preventative Storage of Spacesuit Gloves at the National Air and Space Museum'*
- 2:50 – 3:00** Q and A

SESSION 3: MATERIALS CHARACTERIZATION AND IDENTIFICATION

CHAIR: FRANÇOIS MIRAMBET

- 3:00 – 3:45** **François Mirambet**, Research Engineer, Centre de Recherche et de Restauration des Musées de France, Paris: *'Characterization and Electrochemical Behaviour of Aluminium/Corrosion Layer Systems Observed on Air and Space Museum Aircrafts for Preservation Purposes'*
- 3:45 – 4:05** **Nicole Little**, Museum Conservation Institute, Washington DC: *'Lessons We've Learned from the Identification of Aluminum Alloys and Corrosion'*
- 4:05 – 4:15** Q and A

4:15 – 4:35 **Yolaine Tissier**, Arc' Antique, Nantes: '*Metallographic Characterization of Two Propeller Blades from the World War II Era*'

4:35 – 4:45 Q and A

Tuesday, April 8

8:30 – 9:00 Check in at SAAM

9:00 – 9:15 Welcome and announcements

SESSION 4: CONSERVATION OF ARCHAEOLOGICAL OBJECTS - MARINE, TERRESTRIAL AND INDUSTRIAL CHAIR: CHRISTIAN DEGRIGNY

9:15 – 10:00 **Christian Degrigny**, Senior Conservation Scientist and Lecturer, Haute Ecole Arc de Conservation-restauration, Neuchâtel: '*Conservation of Historical Objects – Marine, Terrestrial and Industrial*'

10:00 – 10:20 **Christina Tengnér**, Army Museum, Stockholm: '*The Preservation of a Marine Archaeological DC-3 Aircraft*'

10:20 – 10:30 Q and A

10:30 – 11:00 Coffee Break

11:00 – 11:20 **George Bailey**, The Australian War Memorial, Canberra: '*A Critical Review of the 1996 Conservation Treatment of a World War Two Aircraft Carried Out at the Australian War Memorial*'

11:20 – 11:30 Q and A

11:30 – 11:50 **Susan Maltby**, Maltby & Associates Inc., Toronto: '*The Stabilization of Malton's CF-100 All-Weather Jet: A Case Study*'

11:50 – 12:00 Q and A

SESSION 5: CONSERVATION AND USE OF ALUMINUM ALLOYS IN CONTEMPORARY ART

CHAIR: ROSA LOWINGER

- 12:00 – 12:45** **Rosa Lowinger**, Principal and Senior Conservator, Rosa Lowinger and Associates, Florida: *'The Ultimate Modern Material: Aluminum in Contemporary Art'*
- 12:45 – 1:05** **Virginie Ternisien**, Warren Lasch Conservation Center, Clemson University Restoration Institute, North Charleston: *'Conservation Treatment of Les Nageurs (1973): A Monumental Aluminum Sculpture'*
- 1:05 – 1:15** Q and A
- 1:15 – 2:45** Lunch on your own
- 2:45 – 3:05** **Helen Ingalls**, Lunder Conservation Center, Washington DC: *'Materials, Deterioration, and Conservation of Aluminum Foil on James Hampton's Throne of the Third Heaven: All That Glitters is not Gold'*
- 3:05 – 3:15** Q and A
- 3:15 – 3:35** **Ljiljana Puskar**, Australian Synchrotron, Clayton: *'The Use and Characterization of Aluminum Based Metallic Paints in Early Twentieth Century Paintings'*
- 3:35 – 3:45** Q and A
- 4:00 – 4:20** **Presentation by the Aluminum Association**
- 5:30 – 8:00** Opening reception at the Smithsonian Castle on the National Mall, Jefferson Dr. at 10th St., SW, Washington, DC
- Generously sponsored by the Aluminum Association

Wednesday, April 9

- 8:30 – 9:00** Check in at SAAM
- 9:00 – 9:15** Welcome and announcements

SESSION 6: CONSERVATION OF ALUMINUM ARCHITECTURAL STRUCTURES AND ELEMENTS

CHAIR: RICHARD PIEPER

- 9:15 – 10:00 **Richard Pieper**, Director of Preservation, Jan Hird Pokorny Associates, New York: *'Aluminum's Challenges for the Architectural Conservator'*
- 10:00 – 10:20 **Clara Deck**, The Henry Ford Museum, Detroit: *'Deconstructing the Dymaxion House: Designing Survival Strategies for an Aluminum Tension Structure'*
- 10:20 – 10:30 Q and A
- 10:30 – 11:00 Coffee Break
- 11:00 – 11:20 **Justine Posluszny Bello**, Conservation Solutions, Inc., Washington DC: *'Restoration of the Aluminum Night Doors and Windows at the Robert F. Kennedy Department of Justice Building, Washington, DC'*
- 11:20 – 11:30 Q and A
- 11:30 – 11:50 **Tracy Kamerer**, Henry Morrison Flagler Museum, Palm Beach, and **Scott W. Nolley**, Fine Art Conservation of Virginia: *'Aluminum, the New Silver: Shining a Light on Gilded Age Decorative Surfaces'*
- 11:50 – 12:00 Q and A

SESSION 7: COATINGS, SURFACE TREATMENTS AND CORROSION INHIBITION

CHAIR: BRUCE HINTON

- 12:00 – 12:45 **Bruce Hinton**, Adjunct Professor, Corrosion Science, Monash University Department of Materials Engineering, Clayton: *'Corrosion Prevention and Control for Aluminium Alloy Aircraft Components'*
- 12:45 – 1:05 **Mary Oehrlein**, Architect of the Capitol, Washington DC: *'In-situ Micro-abrasion Cleaning of a 1932 Cast Aluminum Port-cochere'*

- 1:05 – 1:15 Q and A
- 1:15 – 2:00 Lunch on your own
- 2:00 – 2:20 **Xsusha Flandro**, Jablonski Building Conservation, New York: *'"Redesign: A Recipe for Results": Restoring Architectural Aluminum Finishes in Situ'*
- 2:20 – 2:30 Q and A

SESSION 8: PREVENTIVE CONSERVATION

CHAIR: DAVID HALLAM

- 2:30 – 3:15 **David Hallam**, ICOM-CC Metal Working Group Coordinator; Metallic Heritage Consultant, Oatlands; Research Associate, National Museum of Australia, Canberra: *'Preventive Conservation and Maintenance of Aluminium Artefacts and Collections'*
- 3:15 – 3:35 **Jerrad Alexander**, Kansas Cosmosphere and Space Center, Hutchinson: *'The Boneyard: The World's Largest Military Aircraft Repository'*
- 3:35 – 3:45 Q and A
- 3:45 – 4:00 Closing remarks

Organizing Committee:

Claudia Chemello, Malcolm Collum, Paul Mardikian, Joe Sembrat, Lisa Young