

Working document to list goals, tasking, status, etc. Last edited 21 January 2021 meeting

- **ASM Staff Liaisons**
 - David Vargas
 - Scott Henry
- **Officers** (unofficial)
 - Chair: Patricia Silvana Carrizo
 - Vice Chair: David Sapiro
 - Secretary: James Churchill
- **Members**
 - David Sapiro
 - Patricia Silvana Carrizo
 - Nassos Lazaridis
 - Pankaj Mehrotra
 - James E. Churchill
 - Omid Oudbashi
 - Peter Northover
- **Scope/objectives** (from Scope document)
 - Support ASM members and others who study metallic objects and metallurgical materials including, but not limited to landmarks and historical/archaeological sites located throughout the world and develop and apply artifact restoration and conservation techniques and methods based on material and context of an artifact.
 - Apply ethical restoration practices following AIC code of ethics and applicable regional guidelines
 - Support cooperation and collaboration between ASM International and other entities related to the recovery and study of heritage sites and/or historical metallic monuments. This may include personnel involved in bibliographic review, metallographic and mechanical studies of artifacts and ancient and historical materials, statistical analyses, cleaning, conservation, preservation, etc.
 - Help develop best practices for characterization, preventative maintenance, conservation, linking historical contexts with manufacturing technology, studying and advising on historical infrastructure (e.g. old metal bridges).
 - Incorporate colleagues from other fields related to the heritage studies, including pigment studies, authentication studies of ancient coins, etc.
 - Organize and host technical presentations on Archaeometallurgy topics for the IMAT conference.
 - Learn, network, collaborate, share, and grow with like-minded members dedicated to the study of Archaeometallurgy.
 - Promote the identification of industrially significant materials and material technologies as the subject of further historical investigation. This will be accomplished in a collaborative manner between business and the materials community.

- Support the research, investigation, and documentation of the historical development for selected materials and material technologies. An interdisciplinary approach between materials, arts, and other science communities will be used for this effort.
- Act as an Advisory Board to ASM International for selecting and establishing ASM Historical Landmarks.
- Promote Archaeometallurgy as a teaching aid by illustrating continuity in technological developments and providing context of the current state of technology.
- Promote education (use past “lessons learned” and skills to educate students in new technologies)
- Work areas of focus include:
 - Ancient and historic metallic artifacts
 - Ancient and historic maritime and transportation artifacts
 - Ancient and historic industrial sites
 - Ancient and historic buildings of significance
 - Archaeological sites
 - Ancient and historic metallurgical research, documentation, and techniques
 - Ancient, historic, and modern metallurgical characterization techniques
 - Experimental archaeometallurgy
 - Military vehicles, weapons and armour
 - Conservation, preservation, and maintenance of historical pieces
- Work areas also supported:
 - Ancient and historic inorganic pigments and coatings
 - Impact of metallurgy on society
- Highlights of aspects of study include:
 - Composition and quality of raw materials
 - Manufacturing processes and technique
 - Evidence of use, trading, and recycling
 - Relative chronology and place of origin
 - Corrosion and degradation
 - Stabilization and conservation treatments
 - Non-invasive techniques
 - Mechanical properties of materials
 - Metallographic analysis as a tool for understanding the ancients’ knowledge of the material and its processing
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- **Become official committee** (from Prospectus document)
 - Review and revise this prospectus
 - Develop a roster or potential members of the formal committee (this can draw from the current ASM CONNECT community, but ASM members can continue to participate in the ASM CONNECT group without joining the formal committee)

- Meet with the ASM Core and Emerging Technologies Council to review the proposal
- Respond to any queries or suggestions from the Council
- If the proposal is approved by the Council, it will be forwarded to the ASM Board for official approval.
- If the committee is formalized, terms of membership will start with the 2021-2022 committee year (terms commencing September 1, 2021); however, the committee can work in an unofficial capacity until the formal approval.
- **Executable goals**
 - Publish papers in AM&P
 - Symposium at IMAT
 - Host webinars
 - Promote (coordinate?) local chapter events
 - Newsletter
 - Website and social media
- **Methods to accomplish goals**
 - Upload Prospectus to Google Docs to allow review/revision
 - Talk to IMAT organizers to create symposium
 - Find speakers for webinars
 - Coordinate events with members' local chapters
 - Reach out to international metallurgical committees, societies, and universities for guidance
- **Tasks**
 - Quantify executable goals
 - # papers
 - # webinars
 - # talks at IMAT
 - # promoted local chapter events
 - Frequency and content of newsletter
- **Other ideas**
 - Webinar with multiple speakers ~15-20 minute talks
 - Webinar(s) showing archaeometallurgy in museums (basement tour)
 - Work with school(s) to create archaeometallurgy curriculum (example at SDSMT)
 - Publish comment sections to AM&P papers
- **Status/completed goals**
 - 2 talks arranged with Notre Dame Chapter (Nassos)
 - 1 paper for AM&P (Patricia)

Optional committee names:

Metallurgical Heritage
 Archaeometallurgy and Heritage
 Archaeo-Historic Metallurgy

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