

AIC Imaging Working Group and Imaging Wiki
Meeting with Team Leads & Wiki Editors

Tuesday, November 17, 2020

Meeting Aims

- Pair team leads and wiki editors with topic groups
- Share guidelines, expectations and responsibilities for team leads and wiki editors
- Prepare team leads for initial meeting with topic groups in January

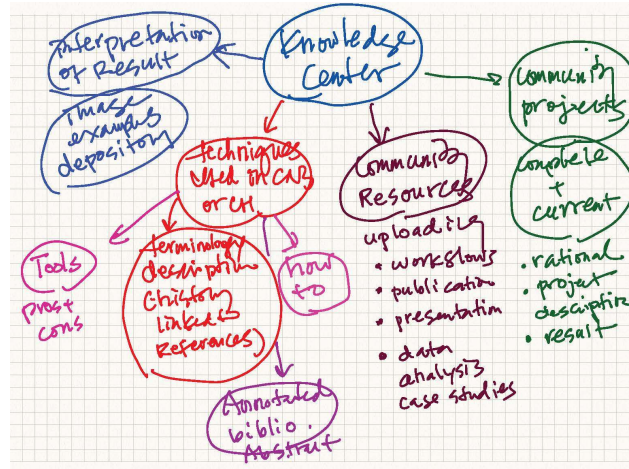
Meeting Overview

- Team Leads and Wiki Editors Topic Group Pairings (15 min)
- Guidelines, Expectations, and Responsibilities (15 min)
- Questions (10 min)
- Next Steps (5 min)

Imaging Wiki

<http://www.conservaion-wiki.com/wiki/Imaging>

- Imaging Techniques
- Functions of Imaging
- Community Resources
- Community Projects
- Interpretation of Results



Link: <http://www.conservaion-wiki.com/wiki/Imaging>

We included a few slides from our initial meeting in October to revisit our vision for the wiki.

We see moving forward with five sections of the wiki:

- Imaging Techniques
- Functions of Imaging
- Community Resources
- Community Projects
- Interpretation of Results

These sections will absolutely overlap and interrelate, so as the Wiki develops we will see how these relationships and resources connect.

Imaging Wiki

<http://www.conservaion-wiki.com/wiki/Imaging>

- Imaging Techniques
- Functions of Imaging
- Community Resources
- Community Projects
- Interpretation of Results

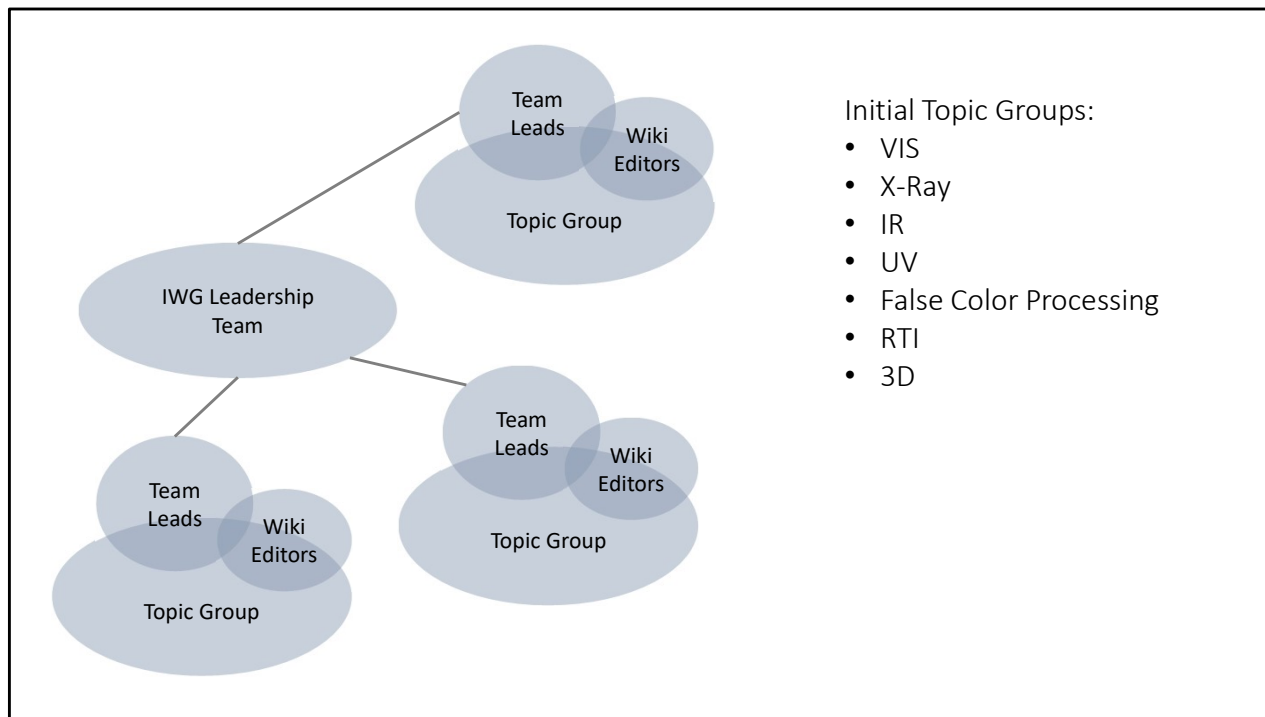


This section will focus on specific imaging techniques for conservation and cultural heritage documentation including:

- Terminology
- Applications
- Tools
- Workflows
- Bibliographies

Our initial focus for the topic groups will be imaging techniques.

This section will focus on specific imaging techniques for conservation and cultural heritage documentation including information on terminology, applications, tools, workflows, and bibliographies.



This diagram was from the initial October meeting. We wanted to share this again to show how we think the structure will work with the teams leads, wiki editors and topic groups.

The initial topic groups will be visible light imaging (VIS), X-ray, Infrared imaging (IR), Ultraviolet imaging (UV), False Color (FC) Processing, Reflectance Transformation Imaging (RTI), and 3D imaging. We have pulled multispectral imaging (MSI), hyperspectral imaging (HSI), and thermal imaging for now. There will be more topics and groups as the project continues and the wiki develops. We may add a smartphone imaging group in the near future.

We have matched leads and editors based on the survey from our initial meeting. There are 2-3 team leads and 2-3 wiki editors per topic group. We recognize that things may have changed in the past several weeks, so please let us know if your interest and/or availability has changed. There are a few people who have not been paired in some cases no imaging techniques were selected on the survey. We are not going to select any vendors for team leads, but we would encourage them to be active topic group members to help with gathering and developing resources.

We had thought that wiki editors needed to be AIC members, but we have since been corrected. The wiki editors proposed include both AIC members and people who are not AIC members.

Topic Group Pairings

VIS

- Team Leads: Stephanie Cashman, Mark Coulbourne, John French
- Wiki Editors: Maggie Downing, Leah Humenuck

IR

- Team Leads: Adam Neese, Megan Salas, Germain Wiseman
- Wiki Editors: Lucia Elledge, Shan Kuang, Silvia Russo

UV

- Team Leads: Dennis Baltuskonis, Jennifer McGlinchey Sexton, Yosi Pozeilov
- Wiki Editors: Jan Cutajar, Gwenanne Edwards, Chantal Stein

False Color Processing

- Team Leads: Joseph Campbell, David Laine
- Wiki Editors: Camilla Perondi, Amalia Siatou

RTI

- Team Leads: Emily Frank, Bruno Vandermeulen
- Wiki Editors: Christopher Ciccone, Carrie Roberts, Jessica Walthew

3D

- Team Leads: Brinker Ferguson, Zarah Walsh-Korb, Yi Yang
- Wiki Editors: Amy McCrory, Roxanne Radpour, Charles Walbridge

X-Ray

- Team Leads: Andrew Bruce, Aaron Steele
- Wiki Editors: James Craven, Gina Watkinson

IWG Standards Liaison

- Scott Geffert

These are the suggested pairings that we are proposing. The question is whether everyone is still interested and available to act as wiki editors.

****These are proposals as of the meeting on Tuesday, November 17, 2020. This may change following the meeting.**

Imaging Working Group (IWG) Standards Liaison

We have asked Scott Geffert to take the lead on efforts related to standardization beyond visible light imaging and folding in existing and relevant ISO standards to the imaging wiki. This role does not necessarily mirror the team lead role for the topic groups. We see that he will be connecting with us as the leadership team and the topic group team leads focusing on aspects of standards between techniques and groups. At the moment, this would not take a full topic group, but will be gathering information from the initial topic groups. The topic groups would help to surface some of the current problems and the “what are happening now?” topics, which may be best practice issues across techniques, steps towards standardization or standards, and initiate some testing/group projects.

Guidelines, Expectations, and Responsibilities

- What is needed for the wiki?
- Responsibilities as Team Leads
- Responsibilities as Wiki Editors
- Recommendations for preparing for initial meeting
- What do you need from us (IWG leadership team)?

What is needed for the Wiki?

- Definitions of technique
- Outcomes/output of technique
- Terminology
- Workflows
- Equipment
- Bibliography and resources
- Interpretation

Infrared radiation imaging

In progress. Seeking additional comments and images to develop this section.

Please be patient, this part of the site is under development. We are starting to build out the imaging Wiki.

Brief intro to infrared imaging ...

Wiki Team Lead: [your name could be here](#)
Wiki Editor: [K. Ross Wicks](#) *"your name could be here"*
Wiki Contributor: [K. Ross Wicks](#) *"your name could be here"*

Contents (show)

- 1 Infrared imaging
 - 1.1 History
 - 1.2 Infrared regions and sensitivity of cameras and imagers
 - 1.3 Terminology
 - 1.4 References and resources
- 2 Infrared Techniques
 - 2.1 Reflected Infrared Imaging
 - 2.2 Transmitted Infrared Imaging
 - 2.3 Infrared Reflectography (IRR)
 - 2.4 Visible-induced Infrared Luminescence (VIL)

Infrared Imaging (show)

History (show)

- Section 6.4.1 of the "ACG Guide to Digital Photography and Conservation Documentation" (Wardle et al. 2017, pp. 130-131) presents the history of infrared photography.

Infrared regions and sensitivity of cameras and imagers (show)

- Sections 6.4.2 of the "ACG Guide to Digital Photography and Conservation Documentation" (Wardle et al. 2017, p. 131) discusses infrared regions and sensitivity of cameras and imagers. Table 7 provides a summary of those regions, the wavelength ranges, and corresponding recording medium or sensor type.

Terminology (show)

The following definitions are from Section 6.4.3 of the "ACG Guide to Digital Photography and Conservation Documentation" (Wardle et al. 2017, pp. 131-132).

- Reflected infrared digital photography** (or **reflected infrared photography**): imaging or images made in the 700-1000 nm range, and thus are within the abilities of digital cameras.
- Visible reflectography** (or **infrared reflectography**): imaging or images made in the 1000-2000 nm range, and thus are within the ability of digital electronic infrared imagers.
- Transmitted infrared digital photography** (or **infrared digital photograph**): imaging or images made in the 700-1000 nm range, and thus are within the abilities of digital cameras.

References and resources (show)

More references and resources to come...

- Dyer, J., Verm, G., Quin, J., 2013. Multispectral Imaging in Reflectance and Photo-induced Luminescence Modes: A User Manual.
- Wardle, Jeffrey, Frederick P. Oates, Helen, Don Kuchel, Timothy White, and Gaele Weaver. 2017. "Infrared Photography." In The ACG Guide to Digital Photography and Conservation Documentation, edited by J. Wardle, 130-47. American Institute for Conservation.

Infrared Techniques (show)

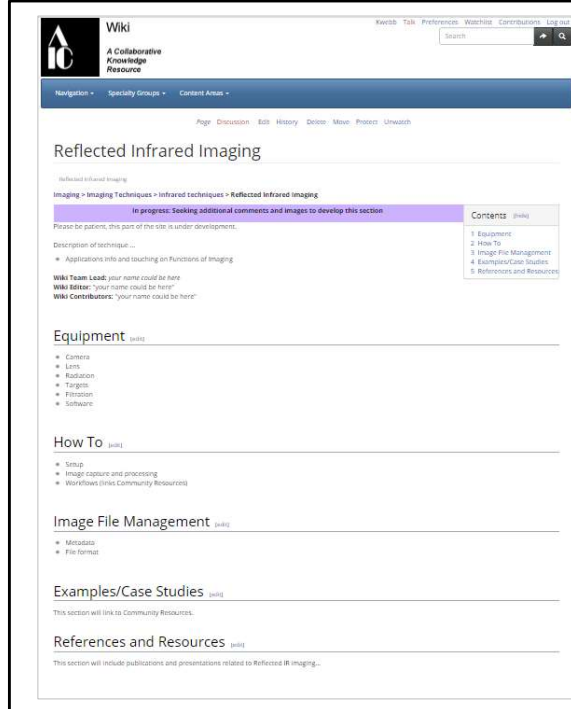
- Reflected Infrared Imaging (show)
- Transmitted Infrared Imaging (show)
- Infrared Reflectography (IRR) (show)
- Visible-induced Infrared Luminescence (VIL) (show)

Categories: [Imaging](#) | [Infrared](#) | [Imaging Techniques](#)

http://www.conservation-wiki.com/wiki/Infrared_radiation_imaging

Link: http://www.conservation-wiki.com/wiki/Infrared_radiation_imaging

This is an example of topic on the Imaging Wiki that we built out the structure a little to provide an outline and direction for building out the Wiki.



Reflected Infrared Imaging

Description of technique ...

- *Applications info and touching on Functions of Imaging*

• Equipment

- Camera, lens, radiation, targets, filtration, software

• How To

- Setup, image capture and processing, workflows (links to Community Resources)

• Imaging File Management

- Metadata, file format

• Examples/Case Studies

- This section will link to Community Resources

• References and Resources

- This section will include publications and presentations related to Reflected IR imaging ...

http://www.conservation-wiki.com/wiki/Reflected_Infrared_Imaging

Link: http://www.conservation-wiki.com/wiki/Reflected_Infrared_Imaging

This is an example of a technique page from the Imaging Wiki that is a step down from the overall “Infrared Radiation Imaging” page. We have provided some structure of what we think should be included for each imaging technique and the possible direction(s) of building out the page.

Responsibilities as Team Leads

- Set timeline and goals for group
 - Regular meetings and communication with group
 - Deadlines for tasks/outputs and communication
- Schedule regular group meetings
 - Set agenda for every meeting (Strongly recommended!)
 - End meeting with lists of tasks, actions and assignments
- Lead the building of content and structure for topic pages
- Work with Wiki Editors to publish content
- Communicate with IWG Leadership Team
 - Regular updates and needed support
 - Identified areas of overlap with other topic groups
 - Identified challenges with wiki and structure

Responsibilities as Wiki Editors

- Training, best practices, and keeping up with AIC style guidelines
 - AIC Training and Resources:
 - AIC Wiki User Guidelines: http://www.conservation-wiki.com/wiki/AIC-CC_User_Guidelines
 - AIC Wiki Training Video (YouTube) (1hr21m): <https://youtu.be/T2NKBOLNtw4>
 - Additional Resources: http://www.conservation-wiki.com/wiki/Main_Page#Getting_Started
 - January meeting with AIC e-Editor for live training to focus on specific questions following training video
- Set deadlines for tasks/outputs for publication
- Meet with other Wiki Editors to maintain standardized look and presentation
- Communicate with Topic Team Leads
- Communicate with IWG Leadership Team

Links:

AIC Wiki User Guidelines: http://www.conservation-wiki.com/wiki/AIC-CC_User_Guidelines

AIC Wiki Training Video (YouTube) (1hr21m): <https://youtu.be/T2NKBOLNtw4>

Additional Resources: http://www.conservation-wiki.com/wiki/Main_Page#Getting_Started

This is a Community Project!

AIC Online Community: Rules and Etiquette

<https://community.culturalheritage.org/termsandconditions>

The Rules

- **Respect others.** Focus on the content of posts and not on the people making them. Please extend the benefit of the doubt to newer community members. We want to make this a welcoming community where all visitors feel free to seek knowledge. If you have concerns about the content being posted or advice being given by a member of the community, please reach out to the moderator.
- **Respect the purpose of the community.** Use the community to share successes, challenges, constructive feedback, questions, and goals instead of products or services that you provide. If you've found a product or service helpful, you can share that information, but the community is not a forum for advertisements.
- **Use caution when discussing products.** Information posted on the discussion groups and in the libraries is available for all to see, and comments are subject to libel, slander, and antitrust laws.
- **All defamatory, abusive, profane, threatening, offensive, or illegal materials are strictly prohibited.** Harassment of any community member will not be tolerated.
- **Respect intellectual property.** Post content that you have personally created or have permission to use and have properly attributed to the content creator.
- **Indicate permissions on shared resources.** When posting items in this collaborative environment, please indicate if the item is not available for reuse. It's also advisable to contact the owner of any material if you would like to reuse it.
- **Post your message or documents only to the most appropriate communities.** This helps ensure all messages receive the best response by eliminating "noise."

Link: <https://community.culturalheritage.org/termsandconditions>

This is a community project and we all have to keep that in mind!

These are examples from the AIC Online Community, but the next slide will touch on more specifics for the AIC IWG.

This is a Community Project!

- Respect others
 - We need to acknowledge and respect that people are volunteering their time and expertise (leads, editors and members).
- Communication is key!
 - If you can't get something done, let someone know. Or let someone know it might take a little longer.
 - If you need help, speak up!
 - Communication and regular updates can keep things moving along
- Patience is essential
- Gratitude goes a long way
- Member engagement and retention
 - Make members feel welcome and valued
 - Help topic group understand the goals
 - Giving support, encouraging good work; Saying thank you and recognizing efforts/contributions

This is a community project and we all have to keep that in mind!

- We need to acknowledge and respect that people are volunteering their time and expertise – this is the case for team leads and for members.
- Communication is key!!
 - If you can't get something done, let someone know. Or let someone know if it might take a little longer.
 - If you need help, speak up!
 - Communication and regular updates can also keep things moving along.
- Patience is essential
 - There will be all levels of participation and expertise.
 - There are several fields coming together to collaborate which is very exciting, but this requires clear communication and patience.
- We want to keep this moving so try to keep each other and your members engaged! If there are ideas to help, let us know.
- Gratitude goes a long way and encouragement could be useful.
- Member engagement and retention
 - Make members feel welcome and valued
 - Help group understand the goals

- Giving support, encouraging good work can keep members engaged
- Saying thank you and recognizing efforts and contributions

Preparing for Initial Group Meeting

- Goals for meeting
 - Gather who is interested in participating
 - Discuss different aspects of the topic (imaging technique) and the required information for the Wiki
 - Assign initial tasks – likely gathering initial materials and resources
 - Establish next steps for gathering information and developing Wiki
- Consider timeline for the topic group and scheduling of meetings
- Consider means of communication with topic group and meeting platform
 - Meeting Platforms: Zoom, Teams, GoogleMeet, Skype
 - Communication Tools: Email, Slack, GoogleDocs
- Consider first steps for gathering information and developing the wiki
- Create agenda for meeting

The first meeting with the topic groups – we will host this over two sessions in January. We will host the larger IWG and then do breakout sessions for the topic groups. The team leads will not need to schedule this first meeting, but please let us know if there are times in January that will not work for you.

These are our recommendations for planning that initial group meeting.

Questions?

Email AIC.ImagingWG@gmail.com if you have additional questions, feedback, concerns, etc.

Next Steps

- Initial Topic Group Meetings in January
 - IWG Leadership team will organize and host these meetings via Zoom
 - Topic Groups will meet in breakout session
- Team Leads
 - Prep for January Meeting (Slide 12 and 16)
- Wiki Editors
 - AIC Training and Resources:
 - AIC Wiki User Guidelines: http://www.conservation-wiki.com/wiki/AIC-CC_User_Guidelines
 - AIC Wiki Training Video (YouTube) (1hr21m): <https://youtu.be/T2NKBOLNtw4>
 - Additional Resources: http://www.conservation-wiki.com/wiki/Main_Page#Getting_Started
 - January Meeting with AIC e-Editor for live training to focus on specific questions following training video

We will provide a follow up email after the meeting with this presentation, the recording, and other information.