

## Digital Mapping Techniques - Instructions to Authors

Each year, this workshop is structured around: (1) Discussion Sessions, and (2) oral and poster presentations. These Instructions to Authors provide some basic information for oral and poster presentations. Please note that this meeting is relatively informal, and focuses on discussion and sharing of techniques. Therefore, please budget your presentation time slot to accommodate questions and brief discussion with colleagues in the audience. If questions are numerous and your allotted time has ended, we can accommodate them during the open discussions later in the meeting, or during the break periods.

Oral presentations generally are 20 minutes in duration, but can be significantly longer (or shorter) depending on the topic's scope. In an oral presentation, the author might preview the subject, and provide more details in an accompanying poster or computer demo.

Poster boards are about 4x8 ft. We encourage you to size your posters to fit well within that space or within HALF of that space.

Poster presentations will be shown throughout the meeting, and will be the subject of the meeting's focus on the Monday afternoon. At that time, additional poster space will be made available for unscheduled, informal displays of maps, posters showing cartographic techniques, etc. This poster session, called the "Map Blast," combines the formal poster presentations with facilities for giving computer demos and informally displaying whatever you choose to bring to the meeting.

**To improve the meeting's usefulness, and to provide your presentation to the larger community, all the oral and poster presentations will be posted to the DMT website (<http://ngmdb.usgs.gov/Info/dmt/>) just after the meeting.** To give context to these presentations, an extended abstract must be included before posting to the website. Please see the presentations template ([http://ngmdb.usgs.gov/Info/dmt/docs/DMT\\_template\\_presentations.doc](http://ngmdb.usgs.gov/Info/dmt/docs/DMT_template_presentations.doc)) for details. If you have any questions about these instructions or the content of your proposed presentation, please contact Dave Soller ([drsoller@usgs.gov](mailto:drsoller@usgs.gov) or 703-648-6907).

If you can offer an oral or poster presentation, please notify Dave Soller. **Include in your note:**

- Title of presentation
- List of authors and their affiliations
- A short "blurb" (1-3 sentences) that describes the presentation. (NOTE: this blurb is for agenda-planning purposes only, and will not be made public.)

We'll try to accommodate all requests, but it will become more difficult as the meeting date approaches. If you would like to give a poster presentation, please notify Dave as soon as possible, so that a poster board can be reserved. Shortly before the meeting, you'll receive a brief set of instructions for presenters.

## Suggested presentation topics

- Cartographic techniques for creating paper and PDF-format geologic maps from field notes, manuscript maps, and map databases
- Design and implementation of individual and corporate geologic map databases
- Migration of map data to new formats (for example, from Arc coverages to Geodatabase)
- Scanning, delivery, and archiving of existing maps
- Information management and delivery (e.g., migrating data to modern formats, archiving field notes, including richly-attributed ancillary information with published databases, preparing maps for third-party visualization software [e.g., Google Earth])
- Preservation of unpublished scientific information
- The use of LIDAR for field work and map/database preparation
- 3-D databases and/or visualization techniques
- Geologic map data model implementation, and database management (your agency's data model, experience with NCGMP09, etc.)
- Summary of activities related to the National Geologic Map Database project

Please see the agendas and presentations from previous DMT workshops, which will give you a sense of the range of topics addressed at these meetings (<http://ngmdb.usgs.gov/Info/dmt/>). However, don't feel constrained by these topics – contact Dave Soller if you have other suggestions.

## When preparing your presentation, consider these questions

- Why do you use this method?
- Is it based on, or modified by, information learned from past DMT workshops or Proceedings?
- What is your agency's objective for digital mapping?
- What are your products?
- Who uses your products, and for what purpose?

We look forward to your participation!

Dave Soller  
U.S. Geological Survey  
908 National Center  
Reston, VA 20192  
Telephone: (703) 648-6907  
Fax: (703) 648-6977  
Email: [drsoller@usgs.gov](mailto:drsoller@usgs.gov)