

Call for Contributions

2012 SEG/EAGE Summer Research Workshop
Charleston Place Hotel, Charleston, SC USA
13–17 August 2012



Society of Exploration Geophysicists
The international society of applied geophysics

Velocity Model Building in Complex Geology

Abstract submission deadline: 18 April 2012

Advance registration deadline: 11 July 2012

The continual growth in raw computing power is enabling geophysicists to devise imaging algorithms that better approximate the physics of wave propagation in the Earth. Acoustic Reverse Time Migration is now routinely used to produce more accurate subsurface images. Other imaging techniques, such as beam migrations are also heavily used. Researchers are experimenting with elastic RTM, at least in 2D. A critical input to these algorithms is an accurate subsurface velocity model. This workshop addresses velocity model building in complex geology as it is practiced today and as it will be practiced in the future. We therefore welcome submissions of papers covering theoretical developments and case histories within the broad topic of building a velocity model in complex geology, including:

- ▶ Full waveform inversion
- ▶ Wave Equation Migration Velocity Analysis
- ▶ Velocity model building based on picking
- ▶ Velocity model building for multi-component data
- ▶ Velocity model building in poorly illuminated/noisy areas
- ▶ Velocity model building for complex near-surface and/or land data
- ▶ Velocity model building in presence of anisotropy and attenuation
- ▶ Importance of long offsets and low frequencies
- ▶ Quantification of model uncertainty
- ▶ Model suitability for imaging and/or applications

Meeting Schedule:

- Monday, 13 August – Registration and Ice Breaker
- Tuesday, 14 August through Friday, 17 August – Two full-day sessions Tuesday and Thursday with morning and afternoon sessions, and a half-day session Wednesday and Friday mornings. Wednesday afternoon will remain open for attendees to explore the area. The workshop will conclude following the Friday morning session.

Format: Abstracts should include sufficient detail for the committee to judge the quality of the paper. Abstracts should be a minimum of 1 page text plus 1 figure, with a maximum of 4 pages. Abstracts should be on 8.5 x 11 inch paper, include both text and figures with a one-or two-line title in bold font, size 12-14 points. Authors should be listed in italic font, size 10-12 points and text in Roman font, size 10-12 points. All text must stay 1 inch clear of the margins of the page. Submissions should be in Adobe Acrobat.

Meeting Venue: The Charleston Place Hotel will serve as the meeting venue and will have sleeping rooms available during your stay.

Submission: All abstracts must be submitted electronically. Send all abstracts to awatson@seg.org in PDF format.

Sponsorship: Sponsorship opportunities are available by contacting Amy Watson at awatson@seg.org or at <http://www.seg.org/meetings/srw2012>.

Acceptance: An oral presentation is not a requirement in order to be accepted for registration; however, direct participation is required by all attendees through discussion. This will be enforced at the workshop. If the number of applicants exceeds the capacity of the conference facilities, then preference will be given to presenters. Capacity for this workshop is 100 participants.

Student Registration: Students are encouraged to submit papers. Students chosen to present will be considered to receive a discounted registration rate. All registration rates will be published at the time acceptance letters are sent out.

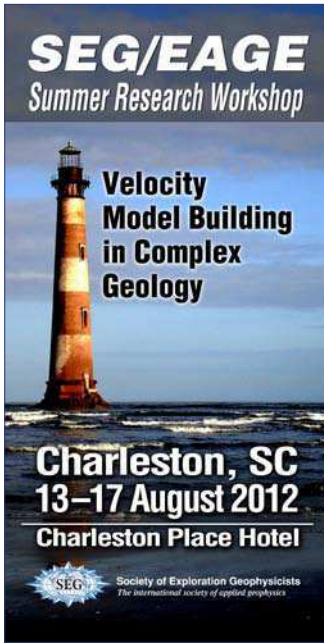
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Organizing Committee

Jacques P. Leveille (ION Geophysical), Robert Bloor (ION/GX Technology), Gilles Lambaré (CGGVeritas), Paul Sava (Colorado School of Mines), William Symes (Rice University), Bin Wang (TGS), John K. Washbourne (Chevron), Paul Williamson (Total)

www.seg.org/meetings/srw2012



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Velocity Model Building in Complex Geology

Deadline: 18 April 2012

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awatson@seg.org

PRINT IN BLACK INK OR TYPE

Mr. Ms. Dr. Student: Yes No

Name _____

Company/Organization _____

Mailing Address _____

City _____ State _____

Postal Code _____ Country _____

Business Phone _____

E-mail _____

Select your preference: Oral presentation No presentation, discussion contribution only

If presenting, please complete the following information and submit abstract via email to: awatson@seg.org

Title _____

Signature _____

Note: The mechanical recording of any portion of the 2012 SEG/EAGE SRW in any form (photographic, electronic, etc.) is strictly prohibited. Only registrants are permitted to attend Workshop sessions. Each participant agrees to the above regulations when application is accepted, as indicated by his or her signature on this form.

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