

# SEISMOLOGICAL RESEARCH LETTERS

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## Seismological Research Letters—Submissions

*Seismological Research Letters* (SRL) contains articles and items of broad appeal in seismology and earthquake engineering. Articles should be informational in nature and of current interest to a cross-section of SSA membership. Articles expressing some particular view about seismology or seismological research also will be accepted. Articles that contain original research results should be submitted to the *Bulletin of the Seismological Society of America* (BSSA). News and notes, special reports on particular earthquakes, seismic network summaries, information on computer hardware or software pertinent to seismology, seismological equipment information, book reviews, and letters to the editor also are solicited for *SRL*.

Consult the *SRL Information for Authors* at <http://www.seismosoc.org/publications/srl/srl-authorsinfo.php> for details about making submissions. In general, articles should not exceed 20 pages of double-spaced text (excluding figures) unless approved by the editor. Electronic supplements can be considered for *SRL*; the electronic supplement policy is posted at <http://www.seismosoc.org/publications/esupps.php>. The *SRL* Editor in Chief is Zhigang Peng, [srled@seismosoc.org](mailto:srled@seismosoc.org). Upload submissions via *SRL*'s electronic submission system at <http://srl.edmgr.com>. Direct questions about the system to the managing editor at [srl@seismosoc.org](mailto:srl@seismosoc.org).

## Submissions to the Eastern Section of the SSA (ES-SSA) Section of SRL

The ES-SSA Section of *SRL* is devoted to the seismology of continental interiors. Articles pertaining to eastern North American earthquakes, intraplate seismotectonics, and earthquake engineering are particularly encouraged. The ES-SSA editor is Martin C. Chapman, e-mail [mcc@vt.edu](mailto:mcc@vt.edu). Appropriate review articles and tutorials are encouraged, as well as news and notes pertaining to the Eastern Section of SSA. Page charges for articles in the ES-SSA Section are \$25 for each printed page; the editor may allow exceptions under certain circumstances. Upload submissions via *SRL*'s electronic submission system at <http://srl.edmgr.com>.

## On the Cover

**Front:** Local earthquake risk culture plays a significant role in the way the public engages in educational efforts. "Educating for Earthquake Science and Risk in a Tectonically Slowly Deforming Region," an EduQuakes column by Custódio *et al.* (this issue), describes an earthquake education and outreach program tailored for Portugal, where large earthquakes are extreme events that occur with long return periods. Program objectives include increasing earthquake awareness and preparedness as well as boosting the quality of earthquake-science education (to attract talented students to geosciences). Here high-school and primary-school students learn about earthquakes using a portable shake table and practicing "drop, cover, and hold-on," and student artwork illustrates key points of the lessons.

**Back:** During the past five years, accelerated oilfield fluid injection has led to a sharp increase in the rate of earthquakes in some parts of North America. In the sedimentary basin of western Canada, most recent cases of induced seismicity are highly correlated in time and space with hydraulic fracturing, when fluids are injected under high pressure during well completion to induce localized fracturing of rock. It appears that the maximum observed magnitude of events associated with hydraulic fracturing may exceed the predictions of an often-cited relationship between the volume of injected fluid and the maximum expected magnitude. These findings, presented in "Hydraulic Fracturing and Seismicity in the Western Canada Sedimentary Basin," by Atkinson *et al.* (this issue), have far-reaching implications for assessment of induced seismicity hazards.

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