

# 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:** Since 2009, the rate of seismicity in the central and eastern United States has increased sharply, as illustrated in the top image on the front cover. Almost all of this increase is attributable to seismicity induced by wastewater that is co-produced during oil extraction (lower right). Traffic-light monitoring systems have been introduced in some areas to mitigate induced seismicity; the lower-left image illustrates schematically a new risk-matrix approach for traffic-light monitoring. Details can be found in the eight articles of the Focus Section on Injection-Induced Seismicity, published in this issue of *SRL*.

**Back:** Seismic arrays consist of seismometers at numerous closely spaced sites (usually a few kilometers) so that signal detection and parameter estimation are greatly enhanced by coherently processing the waveforms at the different sites. Seismic array technology has been driven largely by the need to monitor underground nuclear weapons testing. Gibbons *et al.* (this issue) discuss whether the International Monitoring System infrasound stations could support a global network of small aperture seismic arrays. Configurations of all the IMS infrasound arrays sending data as of August 2014 are shown, color-coded to indicate, on the basis of their geographical location alone, how a seismic array at a particular location is likely to add to the global seismic monitoring capability.

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