Preface to the Focus Section on Injection-Induced Seismicity 1058
David W. Eaton and Justin L. Rubinstein

Myths and Facts on Wastewater Injection, Hydraulic Fracturing, Enhanced Oil Recovery, and Induced Seismicity 1060
Justin L. Rubinstein and Alireza Babaie Mahani

Monitoring the Earthquake Activity in an Area with Shale Gas Potential in Southeastern New Brunswick, Canada © 1068
Maurice Lamontagne, Denis Lavoie, Shutian Ma, Kenneth B. S. Burke, and Ian Bastow

Focal Mechanisms of Some Inferred Induced Earthquakes in Alberta, Canada 1078
David W. Eaton and Alireza Babaie Mahani

Preliminary Evaluation of Ground Motions from Earthquakes in Alberta 1086
Mark Novakovic and Gail M. Atkinson

Surface Monitoring of Microseismicity at the Decatur, Illinois, CO2 Sequestration Demonstration Site 1096
J. O. Kaven, S. H. Hickman, A. F. McGarr, and W. L. Ellsworth

Modeling Injection-Induced Seismicity with the Physics-Based Earthquake Simulator RSQSim 1102
James H. Dieterich, Keith B. Richards-Dinger, and Kayla A. Kroll

Characterizing and Responding to Seismic Risk Associated with Earthquakes Potentially Triggered by Fluid Disposal and Hydraulic Fracturing 1110
Randi Jean Walters, Mark D. Zoback, Jack W. Baker, and Gregory C. Beroza

Surface-Rupture and Slip Observations on the Day of the 24 August 2014 South Napa Earthquake © 1119
Alexander E. Morelan, Charles C. Trexler, and Michael E. Oskin

Unusual Downhole and Surface Free-Field Records Near the Carquinez Strait Bridges during the 24 August 2014 Mw 6.0 South Napa, California, Earthquake 1128
Mehmet Çelebi, S. Farid Ghahari, and Ertugrul Taciroglu

Aftershock Observation and Analysis of the 2013 Ms 7.0 Lushan Earthquake © 1135
Lihua Fang, Jianping Wu, Weilai Wang, Wenkang Du, Jinrong Su, Changzai Wang, Ting Yang, and Yan Cai