
Induced Polarization - narrowing the gap between theory and observations

Short abstract deadline:	15 November 2016
Full-paper submission deadline:	15 February 2017
NSG Special Issue Publication:	December 2017
Early Online Publication:	Accepted papers early online after galley proof

Call For papers

Following the 2016 International Workshop on Induced Polarization (<http://hgg.au.dk/ip2016/>), we are soliciting manuscripts for a Special Issue of Near Surface Geophysics (<http://nsg.eage.org/>) dedicated to induced polarization with application to the near-surface. The focus will be on new developments toward narrowing the gap between theory, laboratory findings and field experiments.

Induced polarization (IP) is a non-intrusive geophysical method used to image the subsurface. While historically developed to detect ore bodies, the IP method has emerged more recently as an exciting technology for environmental applications. Promising applications of the IP method are particularly seen in hydrogeophysics, biogeophysics, and in the characterization of contaminated sites.

Today, the IP method has developed significantly in theoretical understanding, laboratory characterization, and field methodologies. However, there is a growing need for a better understanding of the links between these levels. The aim of this Special Issue of Near Surface Geophysics is to narrow the gap between theory, laboratory findings in controlled environments, and field experiments.

With this aim, we encourage the submission of papers that present new insights on the IP mechanism, novel applications and case studies of IP, technical advances in the instrumentation, new data interpretation, advancements in data acquisition and signal processing, new forward modeling and inversion approaches.

Submit your paper

Please inform one of the following Guest Editors about your intention to contribute to the Special Issue of NSG, by sending a short (one-page) abstract by 15 November 2016. Successful authors will be required to submit their full papers by 15 February 2017.

Final manuscripts need to be submitted through the Near Surface Geophysics online submission system (<https://mc.manuscriptcentral.com/nsg>). Please indicate that the manuscript is intended for the IP Special Issue in this online submission system and in a cover letter to the editor. Please also check the Near Surface Geophysics website for instructions on manuscript preparation. Manuscripts that are submitted to this Special Issue will undergo the standard Near Surface Geophysics review process; authors may also be asked to contribute to the review process.

Publication date

The Special Issue will be published on December 2017, but all the accepted papers will be published as Early Online as soon as the galley proofs are corrected.

Guest editors

Gianluca Fiandaca, Aarhus University, Denmark. gianluca.fiandaca@geo.au.dk

Andreas Hördt, Technical University of Braunschweig, Germany. a.hoerd@tu-bs.de

Adrian Flores Orozco, Technical University of Vienna, Austria. adrian.flores-orozco@geo.tuwien.ac.at