

## Prof. Dr. Céline M. Hadziioannou

CONTACT INFORMATION	Institute of Geophysics University of Hamburg Bundesstrasse 55 20146 Hamburg Germany	Phone: +49 (0)40 42838 2980 ORCID.ORG/0000-0002-5312-2226 <a href="mailto:celine.hadziioannou@uni-hamburg.de">celine.hadziioannou@uni-hamburg.de</a> <a href="http://celine.hadzii.com">http://celine.hadzii.com</a>
CITIZENSHIP	French and Greek	
DATE OF BIRTH	April 29, 1983	
RESEARCH INTERESTS	Ambient seismic noise and its sources; Ocean–Solid-Earth interaction, Seismic interferometry; Scattered wavefields; Coda waves; Monitoring time-dependent material changes; Noise correlation tomography	
ACADEMIC APPOINTMENTS	<b>University of Hamburg</b> <i>Junior Professor for Seismology</i>	Hamburg, Germany 2017 – present
	<b>Ludwig-Maximilians University Munich (LMU)</b> <i>Leader of the Emmy Noether Research Group</i> “The origin of Love waves in the ocean generated noise wave field”	Munich, Germany 2013 – 2017
	<b>Ludwig-Maximilians University Munich (LMU)</b> <i>Postdoctoral Researcher</i> Marie Curie <b>QUEST</b> ITN Postdoctoral fellow Research: “Rotational motions, ambient noise and diffuse wavefields”	Munich, Germany 2011 – 2013
EDUCATION	<b>Institut des Sciences de la Terre (ISTerre)</b> <i>PhD, Seismology</i> Research: “Seismic waves in complex media: measuring temporal velocity variations” Advisors: Prof. Dr. Michel Campillo and Dr. Eric Larose	Grenoble, France 2007 – 2011
	<b>Universiteit van Utrecht (UU)</b> <i>Master of Science, Geophysics</i>	Utrecht, the Netherlands 2005 – 2007
	<b>Rijksuniversiteit Groningen (RuG)</b> <i>Bachelor of Science, Astrophysics</i>	Groningen, the Netherlands 2001 – 2005
HONOURS & AWARDS	<b>Emmy Noether</b> research fellowship (DFG) Member of the <b>Center for Advanced Studies (CAS LMU)</b> Member of <b>AcademiaNet (Robert Bosch Stiftung)</b>	2013 2014 – present 2014 – present
PROFESSIONAL SERVICE	Member of the <b>DEPAS pool</b> steering committee (“German instrument pool for amphibian seismology”) Member of LMU <b>University Research Board</b> <b>Representative of LMU and Universität Hamburg</b> as associate partner in Marie Curie ITN “ <b>WAVES</b> ” (coordinated by Dr. Lapo Bosci, UPMC Paris) <b>Work package co-chair</b> in Marie Curie COST action “ <b>TIDES</b> ” (coordinated by Dr. Andrea Morelli, INGV Bologna) <b>Collaborator</b> in the ERC project “ <b>ROMY</b> ” (Project leader Prof. Dr. Heiner Igel, LMU) <b>Organization Committee</b> <b>AMÜSE</b> PhD Conference in Hinterriss, Austria <b>Organization Committee</b> 4th <b>IWGoRS</b> Meeting on Rotational Seismology in Tutzing, Germany <b>Organized</b> workshop “ <b>The Earth's Hum</b> ” in Munich <b>Organization Committee</b> for 4th <b>QUEST</b> workshop	2018 – present 2014 – present 2015 – 2018 2014 – 2017 2014 – 2019 2016 2016 2014 2013

REFEREED  
JOURNAL  
PUBLICATIONS

- Co-organized workshop “Noise and Diffuse Wavefields”** 2012  
in Neustadt an der Weinstrasse, Germany
- Chair** of regular sessions at EGU, AGU, DGG 2012 – 2017
- Reviewer** for the Helmholtz Association, ETH Research commission, LMU Research Board, Scientific journals (GRL, GJI, JGR, J. Appl. Geophysics, J. of Seism.)
- C. Juretzek, C. Hadziioannou,**  
Linking source region and ocean wave parameters with the observed primary microseismic noise, *Geophys. J. Int.*, 211(3), p1640-1654, **2017**
- S. Donner, C.-J. Lin, C. Hadziioannou, A. Gebauer, F. Vernon, D. C. Agnew, H. Igel, U. Schreiber, J. Wassermann,**  
Comparing direct observation of strain, rotation, and translation with array estimates at Pinon Flat Observatory, California, *Seismol. Res. Letters* 88 (4) **2017**
- J. Salvermoser, C. Hadziioannou, S. Hable, L. Krischer, B. Chow, C. Ramos, J. Wassermann, U. Schreiber, A. Gebauer, H. Igel,**  
An event database for rotational seismology, *Seismol. Res. Letters* 88 (3), **2017**
- T. Tanimoto, C.-J. Lin, C. Hadziioannou, H. Igel, F. Vernon,**  
Estimate of Rayleigh-to-Love wave ratio in the secondary microseism by a small array at Piñon Flat Observatory, California, *Geophys. Res. Lett.*, 43, **2016**
- C. Juretzek, C. Hadziioannou,**  
Where do ocean microseisms come from? A study of Love-to-Rayleigh wave ratios, *J. Geophys. Res. Solid Earth*, 121, **2016**
- A. Obermann, T. Planès, C. Hadziioannou, M. Campillo,**  
Lapse-time dependent coda wave depth sensitivity to local velocity perturbations in 3-D heterogeneous elastic media, *Geophys. J. Int.*, 207 (1), 59-66 **2016**
- C. Wu, A. Delorey, F. Brenguier, C. Hadziioannou, E. Daub, P. Johnson,**  
Constraining depth range of S-wave velocity decrease after large earthquakes near Parkfield, California, *Geophys. Res. Lett.*, 43 **2016**
- J. Wassermann, A. Wietek, C. Hadziioannou, H. Igel,**  
Towards a Single Station Approach for Microzonation: Using Vertical Rotation Rate to Estimate Love-Wave Dispersion Curves and Direction Finding, *BSSA*, 106 (3) **2016**
- T. Tanimoto, C. Hadziioannou, H. Igel, J. Wassermann, U. Schreiber, A. Gebauer, B. Chow,**  
Seasonal variations in the Rayleigh-to-Love wave ratio in the secondary microseism from co-located ring laser and seismograph, *J. Geophys. Res. Solid Earth*, 121, **2016**
- J. Salvermoser, C. Hadziioannou, S. Stähler,**  
Structural monitoring of a highway bridge using passive noise recordings from street traffic, *J. of the Acoust. Soc. Am.*, **138**, 3864 **2015**
- T. Tanimoto, C. Hadziioannou, H. Igel, J. Wasserman, U. Schreiber, A. Gebauer,**  
Estimate of Rayleigh-to-Love wave ratio in the secondary microseism by co-located ring laser and seismograph, *Geophys. Res. Lett.*, 42 **2015**
- C. Hadziioannou, P. Gaebler, U. Schreiber, J. Wassermann, H. Igel,**  
Examining ambient noise using co-located measurements of rotational and translational motion, *Journal of Seismology*, 16(4), 787–796, **2012**
- C. Hadziioannou, E. Larose, A. Baig, P. Roux, M. Campillo,**  
Improving Temporal Resolution in Ambient Noise Monitoring of Seismic Speed, *J. Geophys. Res.* 116: B0730, **2011**
- R. Weaver, C. Hadziioannou, E. Larose, M. Campillo,**  
On the precision of noise correlation interferometry, *Geophys. J. Int.* 185, 1384–92, **2011**
- C. Hadziioannou, E. Larose, O. Coutant, P. Roux, M. Campillo,**  
Stability of monitoring weak changes in multiply scattering media with ambient noise correlation: Laboratory experiments, *J. of the Acoust. Soc. Am.* 125, 3688–95, **2009**
- F. Brenguier, M. Campillo, C. Hadziioannou, N. Shapiro, R. Nadeau, E. Larose,**  
Postseismic relaxation along the San Andreas fault at Parkfield from continuous seismological observations, *Science* 321, 1478–81, **2008**

SUBMITTED	<p><i>S. Hable, K. Sigloch, G. Barruol, S. C. Stähler, <b>C. Hadziioannou</b></i>  Clock errors in land and ocean bottom seismograms: High-accuracy estimation using multiple component noise cross-correlations, <i>submitted to Geophys. J. Int.</i></p> <p><i>F. Lindner, C. Weemstra, F. Walter, <b>C. Hadziioannou</b></i>  Monitoring the englacial fracture state using virtual-reflector seismology, <i>submitted to Geophys. J. Int.</i></p>	
EDITED BOOKS & BOOK CHAPTERS	<p><i>S. Donner, H. Igel, <b>C. Hadziioannou</b> and the ROMY Group</i>  Retrieval of the seismic moment tensor from joint measurements of translational and rotational ground motions, <i>To appear in: "Moment Tensor Solutions - A Useful Tool for Seismotectonics" (Springer; Editor: Sebastiano D'Amico),</i> <b>2017</b></p> <p><i>A. Schmidt, C. Sens-Schönfelder, <b>C. Hadziioannou</b>, U. Wegler, E. Niederleitingner (Editors),</i> Noise and Diffuse Wave Fields, Extended Abstracts of the Neustadt Workshop, <i>Mitteilungen Deutsche Geophysikalische Gesellschaft e.V., Sonderband IV/2012;</i> <b>2012</b></p>	
OUTREACH	<p><i>A. Morelli, <b>C. Hadziioannou</b>, C. Bean.</i>  Time Dependent Seismology. <i>Impact</i> 2017, no. 1 p74-76, <b>2017</b></p>	
FUNDING	Emmy Noether Fellowship (DFG)	2013 – 2018
TEACHING	<p><b>Supervision</b> of 4 PhD students, 11 MSc projects.</p> <p><b>Seminar Seismologie,</b> 2017-present  MSc course at Universität Hamburg</p> <p><b>Surface &amp; Body wave Seismology,</b> 2017  MSc course at Universität Hamburg, lectures and exercises</p> <p><b>Seismologie,</b> 2017  BSc course (6. Sem) at Universität Hamburg, lectures and exercises</p> <p><b>Seismic noise spectra and polarisation,</b> 2015  TIDES training school on seismic data, Bertinoro, Italy</p> <p><b>Geophysikalische Datenanalyse,</b> 2015  BSc course at LMU München</p> <p><b>Geophysical Data Acquisition and Analysis,</b> 2013 – 2016  MSc course at LMU München</p> <p><b>Tutorial on Ambient noise correlations,</b> 2013  QUEST Workshop</p> <p><b>Introduction to Seismology; Signal Processing,</b> 2012  Special course at ROSE school, Pavia, Italy</p> <p><b>Applied Geophysics,</b> 2011 &amp; 2012  Exercises for BSc course at LMU München (in German)</p>	
INVITED PRESENTATIONS	<p>Cargese Summer School "Ambient Noise Imaging and Monitoring 2017" 2017</p> <p>Trainer at TIDES 2nd training school, Sesimbra, Portugal 2016</p> <p>WAVES workshop "Advances in Imaging", Delft, the Netherlands</p> <p>Trainer at TIDES 1st training school, Bertinoro, Italy 2015</p> <p>Swiss Seismological Service, ETH, Zurich, Switzerland</p> <p>Westfälische Wilhelms-Universität Münster, Germany</p> <p>Utrecht University, Utrecht, the Netherlands 2014</p> <p>Géoazur, Sofia-Antipolis, France 2013</p> <p>ETH Zurich, Switzerland</p> <p>Universität Leipzig, Germany 2011</p> <p>Quest workshop, Sardinia 2010</p>	
TOOLS	<p><b>Rotational Seismology Event Database</b> launched 2017</p> <p>Online access to more than 17,000 Earthquake waveforms and processed plots from signals recorded simultaneously by the Wettzell ring laser and a nearby seismometer.</p>	
LANGUAGES	<p><i>Written &amp; spoken fluently:</i> English, Dutch, French</p> <p><i>Conversational:</i> German</p> <p><i>Basic knowledge:</i> Greek</p>	