

Chenlong Wang

Room 401, Ocean Bld., Tongji University, Siping 1239, Shanghai, Rep. of China

☎ (+86) 139-1745-6521 | ✉ chl_wang@yahoo.com | 🌐 www.chenlongwang.cn | 📱 chenlonw | 📧 chenlonw

Education

Tongji University

PH.D. IN GEOPHYSICS

- GPA: 88/100
- Thesis: Multi-component seismic data imaging and parameters estimation
- Advisors: Prof. Jiubing Cheng and Prof. Borge Arntsen

Shanghai, China

Sep. 2011 - PRESENT

NTNU (Norwegian University of Science and Technology)

VISITING PH.D. IN APPLIED GEOPHYSICS

- Topic: elastic wave equation migration velocity analysis
- Advisors: Prof. Borge Arntsen and Prof. Bjorn Ursin

Trondheim, Norway

Sep. 2014 - Dec. 2015

Tongji University

B.S. IN APPLIED GEOPHYSICS

- GPA: 4.25/5
- Thesis: Reverse time location of micro-seismic data
- Advisors: Prof. Jiubing Cheng

Shanghai, China

Sep. 2007 - Jun. 2011

Publication

Azimuth-preserved local angle-domain prestack time migration in isotropic, vertical transversely isotropic and azimuthally anisotropic media.

< Geophysics >

CHENG, J.B., WANG, T.F., WANG, C.L., AND GENG, J.H.

2012

- Geophysics, 77(2), S51-S64. doi: 10.1190/geo2011-0295.1

Microseismic events location of surface and borehole observation with reverse time focusing using interferometry technique

< Chinese J. Geophys >

WANG, C.L., CHENG, J.B., YIN, C., ET.AL

2013

- Chinese J. Geophys, 56(9):3184-3196, doi:10.6038/cjg20130931

Simulating propagation of decoupled elastic waves using low-rank approximate mixed-domain integral operators for anisotropic media

< Geophysics >

CHENG, J.B., ALKHALIFAH, T., WU, Z.D., ZOU, P., AND WANG, C.L.

2016

- Geophysics, 81(2), T63-T77, doi: 10.1190/geo20150184.1

Scalar and vector imaging based on wave mode decoupling for elastic reverse time migration in isotropic and TI media

< Geophysics >

WANG, C.L., CHENG, J.B., AND ARNTSEN, B.

2016

- Geophysics, 81(5), S383-S398, doi:10.1190/GEO2015-0704.1

Acoustic-elastic coupled equation for ocean bottom seismic data elastic reverse time migration

< Geophysics >

YU, P.F., GENG, J.H., LI, X.B. AND WANG, C.L.

2016

- Geophysics, 81(5), S333-S345, doi:10.1190/geo2015-0535.1

Presentation

2011 CPS/SEG International Geophysical Conference and Exposition

Shenzhen, China

MICRO-SEISMIC EVENTS LOCATION USING REVERSE TIME METHOD WITH INTERFEROMETRIC IMAGING CONDITION

Sep 2011

- Chenlong Wang, Jiubing Cheng

83th SEG Annual Meeting

SEPARATING WAVE-MODES OF PRESTACK ELASTIC SEISMOGRAMS USING PURE MODE WAVE PROPAGATORS IN ANISOTROPIC MEDIA

- Chenlong Wang, Jiubing Cheng, Wei Kang

Las Vegas, United State

Nov. 2012

2014 CPS/SEG International Geophysical Conference and Exposition

LOCAL ANGLE DOMAIN ELASTIC REVERSE TIME MIGRATION IN ANISOTROPIC MEDIA

- Chenlong Wang, Jiubing Cheng, Tengfei Wang

Beijing, China

Apr. 2014

76th EAGE Conference and Exhibition

LOCAL ANGLE DOMAIN ELASTIC REVERSE TIME MIGRATION IN TI MEDIA

- Chenlong Wang, Jiubing Cheng, Tengfei Wang

Amsterdam, Netherland

Jun. 2014

2015 Lofoten Seminar

PROPAGATING DECOMPOSED ELASTIC WAVEFIELDS BY FIRST- AND SECOND-ORDER WAVE EQUATIONS USING LOW-RANK K-SPACE METHOD FOR ISOTROPIC MEDIA

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

Svalbard, Norway

Apr. 2015

2015 ROSE Meeting

ELASTIC WAVE MODE DECOUPLING FOR ANISOTROPIC REVERSE TIME MIGRATION

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

Trondheim, Norway

Apr. 2015

77th EAGE Conference and Exhibition

NUMERICAL PURE WAVE SOURCE IMPLEMENTATION AND ITS APPLICATION TO ELASTIC REVERSE TIME MIGRATION IN ANISOTROPIC MEDIA

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

Madrid, Spain

May. 2015

77th EAGE Conference and Exhibition

ELASTIC WAVE MODE DECOUPLING FOR FULL WAVEFORM INVERSION

- Tengfei Wang, Jiubing Cheng, Chenlong Wang

Madrid, Spain

May. 2015

The Workshop of APSWLIM

ELASTIC WAVE MODE DECOUPLING FOR SEISMIC IMAGING AND INVERSION

- Jiubing Cheng, Chenlong Wang, Tengfei Wang

Prague, Czech Republic

May. 2015

85th SEG Annual Meeting

IMAGING CONDITION FOR CONVERTED WAVES BASED ON DECOUPLED ELASTIC WAVE MODES

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

New Orleans, United State

Otc. 2015

Internship

Physical Geology Investigation

IT PROVIDES US FUNDAMENTAL PERCEPTION ABOUT PHYSICAL GEOLOGY.

Qinghuangdao, China

Aug 2009

Geophysical Investigation in Chongming Island

THIS INTERNSHIP GAVE US AN OPPORTUNITY TO USE THE BASIC GEOPHYSICAL APPARATUS, WHICH INCLUDE ELECTRONIC, SEISMIC AND MAGNETIC SURVEY.

Shanghai, China

Jun 2010

PYREX 5 days field trip

THIS INTERNSHIP SHOWED US THE BASIC CONCEPTS OF PETROLEUM GEOLOGY. IT CONTAINS PLENTY OF OUTCROPS IN DIFFERENT PARTS OF A BASIN.

Barcelona, Spain

Otc 2014

Skills

Seismic	Elastic wave simulation, multi-component imaging, velocity inversion, seismic data processing
Programming	Linux, C/C++, Fortran, Matlab, Python, SConstruct, Shell, Vim, LaTeX, Git, Subversion
Seismic related software	Madagascar, Seismic Unix, Promax
Languages	Chinese (mother tongue), English (intermediate)
Web	Jekyll, CSS, HTML