

# Chenlong Wang

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

☎ (+86) 139-1745-6521 | ✉ clwang88@gmail.com | 🏠 www.wangchenlong.com | 📱 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

### 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

## 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

Las Vegas, American

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

ANISOTROPIC MEDIA

Nov. 2012

- Chenlong Wang, Jiubing Cheng, Wei Kang

## 2014 CPS/SEG International Geophysical Conference and Exposition

Beijing, China

LOCAL ANGLE DOMAIN ELASTIC REVERSE TIME MIGRATION IN ANISOTROPIC MEDIA

Apr. 2014

- Chenlong Wang, Jiubing Cheng, Tengfei Wang

## 76th EAGE Conference and Exhibition

Amsterdam, Netherland

LOCAL ANGLE DOMAIN ELASTIC REVERSE TIME MIGRATION IN TI MEDIA

Jun. 2014

- Chenlong Wang, Jiubing Cheng, Tengfei Wang

## 2015 Lofoten Seminar

Svalbard, Norway

PROPAGATING DECOMPOSED ELASTIC WAVEFIELDS BY FIRST- AND SECOND-ORDER WAVE EQUATIONS USING

LOW-RANK K-SPACE METHOD FOR ISOTROPIC MEDIA

Apr. 2015

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

## 2015 ROSE Meeting

Trondheim, Norway

ELASTIC WAVE MODE DECOUPLING FOR ANISOTROPIC REVERSE TIME MIGRATION

Apr. 2015

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

## 77th EAGE Conference and Exhibition

Madrid, Spain

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

ANISOTROPIC MEDIA

May. 2015

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

## 77th EAGE Conference and Exhibition

Madrid, Spain

ELASTIC WAVE MODE DECOUPLING FOR FULL WAVEFORM INVERSION

May. 2015

- Tengfei Wang, Jiubing Cheng, Chenlong Wang

## The Workshop of APSWLIM

Prague, Czech Republic

ELASTIC WAVE MODE DECOUPLING FOR SEISMIC IMAGING AND INVERSION

May. 2015

- Jiubing Cheng, Chenlong Wang, Tengfei Wang

## 85th SEG Annual Meeting

New Orleans, American

IMAGING CONDITION FOR CONVERTED WAVES BASED ON DECOUPLED ELASTIC WAVE MODES

Otc. 2015

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

## Internship

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### Physical Geology Investigation

Qinghuangdao, China

Aug 2009

### Geophysical Investigation in Chongming Island

Shanghai, China

Jun 2010

### The National Marine Geology Graduate Summer School

Shanghai, China

Aug 2011

### PYREX 5 days field trip

Barcelona, Spain

Otc 2014

## Skills

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<b>Programming</b>	Linux, C/C++, Fortran, Matlab, Python, SConstruct, Shell, Vim, LaTeX, Git, Subversion
<b>Seismic related software</b>	Madagascar, Seismic Unix, Promax
<b>Languages</b>	Chinese (mother tongue), English (intermediate)
<b>Web</b>	Jekyll, CSS, HTML