

Chenlong Wang

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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

Separating quasi-P-wave in transversely isotropic media with a vertical symmetry axis by synthesized pressure applied to ocean-bottom seismic data elastic reverse time migration

< Geophysics >

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

2016

- Geophysics, 81(6), C295-C307, doi:10.1190/geo2016-0108.1

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

Las Vegas, United State

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, United State

IMAGING CONDITION FOR CONVERTED WAVES BASED ON DECOUPLED ELASTIC WAVE MODES

Otc. 2015

- Chenlong Wang, Jiubing Cheng, Borge Arntsen

Internship

Physical Geology Investigation

Qinghuangdao, China

IT PROVIDES US FUNDAMENTAL PERCEPTION ABOUT PHYSICAL GEOLOGY.

Aug 2009

Geophysical Investigation in Chongming Island

Shanghai, China

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

Jun 2010

PYREX 5 days field trip

Barcelona, Spain

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

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