Consortium Project on Seismic Inverse Methods for Complex Structures

Center for Wave Phenomena
Colorado School of Mines
CWP staff

Pamela Kraus  
Program Assistant

Shingo Sean Ishida  
Communications Specialist

Diane Witters  
Writing Consultant

John Stockwell  
Research Associate
New Students (Fall 2010)

Farhad Bagarzani
Pengfei Cai
Ashley Fish
Nishant Kamath

Chinaemerem Kanu
Allison Knaak
Conrad Newton
Zachary Pember
Recent graduates

Thomas Cullison, MSc
(Hess Corp.)

Chris Engelsma, MSc
(Chevron Energy Technology Co.)

Yuanzhong Fan, PhD
(Shell International E&P)

Yong Ma, MSc
(CWP)

Jia Yan, PhD
(ExxonMobil)
Welcome to new sponsors

PDVSA Intevep

Transform Software and Services Inc.
Recent visiting scholars

Leonard Srnka, ExxonMobil
Serge Shapiro, Freie Univ. Berlin
Andrey Bakulin, SaudiAramco
Wafik Beydoun, Total
Tariq Alkhalifah, KAUST
Jeff Shragge, University of Western Australia
Uwe Albertin, BP
Vladimir Grechka, Shell
Nicola Bienati, ENI
Mark Willis, ConocoPhillips

Plus many others
Long-term CWP visitor

Ioan ‘Nick’ Vlad
Statoil
What CWP offers sponsors

- **Diverse research** to solve problems relevant in exploration
- **First access** to project results and codes
- **One-on-one consultation** to find creative approaches
- **Short courses** for your company
- **Collaboration and hospitality** for visiting scientists (short or long term)
- **Interaction** with talented students
- **Resource** for interns and new employees
CWP financial overview

• Consortium support from 28 industry sponsors
• Annual consortium member fee: $52.8K
• Additional support:
  Petroleum Inst.   Landmark
  ConocoPhillips   Shell
  ENI               RPSEA
  NASA
• 2010 CWP budget: $1.94M
• Leverage factor: 37
Additional support for students

**Research grants**

- **Shell:** Allison Knaak
- **ExxonMobil:** Ran Xuan
- **ConocoPhillips:** Yong Ma
- **ENI:** Francesco Perrone

**Fellowships**

- **Shell:** Jia Yan
- **BP:** Xiaoxiang Wang
New Book

Seismology of Azimuthally Anisotropic Media and Seismic Fracture Characterization

Ilya Tsvankin and Vladimir Grechka
Growing our ‘sustainable resource’

CWP graduates = Talented geophysicists

Our goal: to foster growth, creativity, and independence for today’s world
USB contents

• Meeting agenda
• Presentation abstracts and slides
• 2011 project review book
• EAGE and SEG abstracts
• CWP research leaders (bios & photos)
Thank you for coming!