What CWP alumni say

"CWP is a great research consortium with a very strong faculty and talented students. I cannot think of a better place for someone who is interested in pursuing a focused and high-quality program in geophysics."

Kurang Mehta, Ph.D.
Class of 2007
Shell Exploration and Production

"The Center for Wave Phenomena was where I first experienced a world class research environment. You will find it to be a great springboard into a life of scientific discovery."

Phil Anno, Ph.D.
Class of 1993
ConocoPhillips Surface Technology Research

Questions?

Center for Wave Phenomena

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CWP Director
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Colorado School of Mines
Graduate Admissions

www.mines.edu/graduate_admissions

CWP

Center for Wave Phenomena

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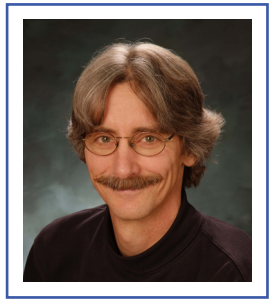
Center for Wave Phenomena

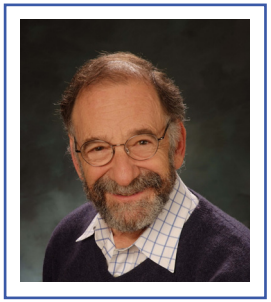
Norm Bleistein
University Emeritus Professor

Modeling and inversion for acoustic, elastic and EM waves, asymptotic analysis



Dave Hale
Professor

Computational seismology, image processing, subsurface modeling, fluid flow



Ken Larner
University Emeritus Professor

Seismic methodology, data processing

Paul Sava
Associate Professor

Wavefield seismic imaging and tomography, high-performance computing

Roel Snieder
Professor

Wave propagation, seismic interferometry, time-lapse monitoring, geohazards

Ilya Tsvankin
Professor

Seismic wave propagation, seismic anisotropy, multicomponent seismology, fracture characterization

Our program

The Center for Wave Phenomena (CWP) at the Colorado School of Mines supports a graduate-level interdisciplinary research and education program in seismic exploration, monitoring and wave propagation.

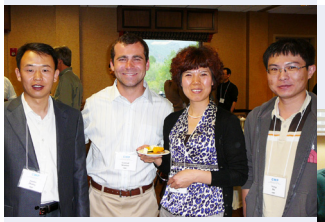
The main focus of CWP is on seismic modeling, imaging and inversion methods, as well as on improving the accuracy and efficiency of seismic processing algorithms, especially for application to regions of structural complexity.

CWP seeks candidates with strong background in earth sciences, applied mathematics, computer science, or physics to pursue MSc. or Ph.D. degrees in geophysics.

Industry connections

CWP is home to the Consortium Project on Seismic Inverse Methods, which is supported by 30 major oil and service companies, as well as various government agencies.

CWP students have opportunities to interact closely with representatives from our sponsor companies on the CSM campus, at sponsor company sites and at professional meetings. CWP students are frequently invited to take internship positions in our sponsor companies.



What we offer

CWP faculty are deeply committed to quality geophysical education and thrive on solving problems of practical interest to the exploration industry. In addition, CWP offers the following:

- CWP students work on cutting-edge research projects with our team of internationally-recognized faculty
- CWP offers year-round student funding
- CWP provides students with state-of-the-art computers
- CWP fosters a close-knit environment that encourages freedom of exchange among faculty and students
- CWP assists students in securing summer internship opportunities
- CWP graduates are heavily recruited for industry, government and academia
- CSM is located in Golden, Colorado, an area with abundant recreational, natural environment and cultural opportunities

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