

WHAT CWP ALUMNI SAY

"I consider myself extremely fortunate to have studied in CWP. The academic freedom and diversity CWP offers is not comparable to anywhere else. Students have the freedom to choose to work with any of the six world-renown faculty, and constant exposure to the entire group helps students appreciate a wide spectrum of challenges in geophysics. "

– Xiaoxia (Ellen) Xu
ExxonMobil Upstream Research Co.

"One of the most important things in CWP is the combination of freedom and support. You can choose to follow the professors' ideas or your own, and you'll be equally encouraged. CWP students also receive intensive training in the fine art of technical writing and oral presentation. CWP believes that conveying the ideas is a core component of the work. CWP sponsors and colleagues appreciate the results."

– Ivan Vasconcelos
Ion Geophysical Corporation



LEARN MORE ABOUT CWP

URL:
<http://www.cwp.mines.edu>

CONTACT Us

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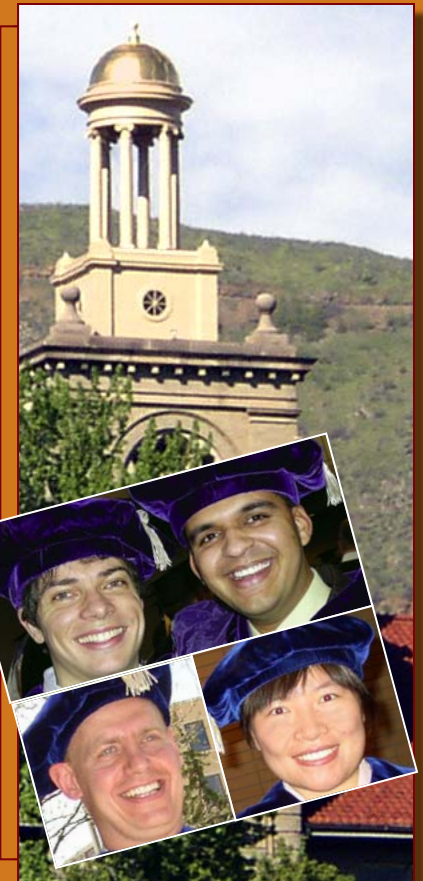
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Graduate admissions
URL:
<http://www.mines.edu/admiss/grad>

CWP

Explore the Opportunities



Graduate Studies in Geophysics

Colorado School of Mines

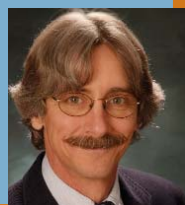
Center for Wave Phenomena

Meet the Faculty



Norm Bleistein

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



Dave Hale

Seismology, computer graphics, image processing, subsurface modeling and fluid flow.



Ken Lerner

Seismic methodology and data processing.



Paul Sava

Seismic imaging and velocity estimation, computational methods for wave propagation, optimization.



Roel Snieder

Wave propagation, inverse problems, wave chaos, and hazards.

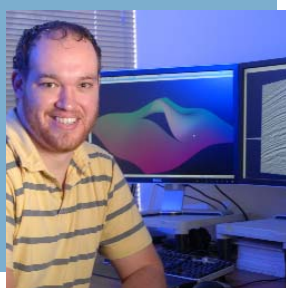


Ilya Tsvankin

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

THE CWP 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.



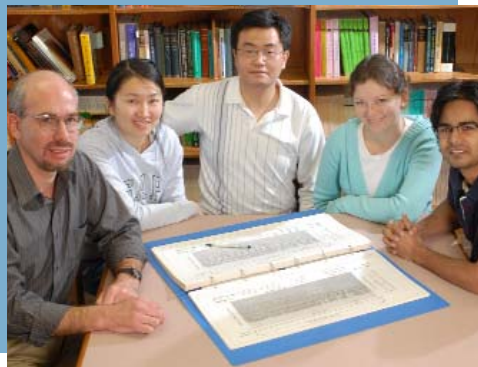
CWP seeks candidates with strong backgrounds in earth sciences, applied mathematics, computer science, or physics to

pursue MS/PhD degrees in geophysics.

The main focus of the CWP program 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 INDUSTRY CONNECTIONS

The Center is home of the Consortium on Seismic Inverse Methods supported by government agencies and 23 major oil and service companies. Our students have opportunities to closely interact with representatives from these companies on campus, at company sites, and at international meetings. CWP students are frequently invited to fill internship positions in these companies.



WHAT CWP OFFERS YOU

The CWP faculty thrive on solving problems of practical interest to the exploration industry, and they are strongly committed to quality geophysical education.

- CWP students work on cutting-edge research projects with our team of internationally recognized faculty and research consortium.
- We offer year-round student funding.
- We provide state-of-the-art computers.
- We foster a close-knit environment that encourages freedom of exchange among students and faculty.
- We aid in securing summer internships.
- CWP graduates are heavily recruited for employment by industry, government, and academia.
- CSM is located in the town of Golden, nestled in the foothills of the Rocky Mountains near Denver. Area recreation and cultural opportunities abound.