

SEP Phone Directory

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Bill Harlan	497-0463
Stewart A. Levin	497-0253
Peter Mora	497-0463
Rick Ottolini	497-1250
Shuki Ronen	497-1250
Dan Rothman	497-0253
Chuck Sword	497-1319
Jeff Thorson	497-1319
John Toldi	497-0253
Ron Ullmann	497-1319

Research Personnel

Jon F. Claerbout received his education at M.I.T. (B.S. physics, 1960, M.S. geophysics, 1963, Ph.D. geophysics, 1967). He worked for United Electrodynamics (now Teledyne, Inc.) in 1963 and studied in Uppsala, Sweden, in 1964. He joined the geophysics faculty at Stanford University in 1967. From 1967 to 1973, he was a consultant to the Chevron Oil Field Research Company. He is an active member of the Society of Exploration Geophysicists, receiving the Best Presentation Award for a paper, "Extrapolation of Wave Fields," presented at the 1972 international SEG meeting, and receiving the Society's Medal Award in 1973 "in recognition of his outstanding and original pioneering work in seismic wave analysis." During the year 1972-73, he was a visiting research geologist at Princeton University and a visiting lecturer at Sydney University. His textbook **Fundamentals of Geophysical Data Processing** was published in 1976 and translated to Chinese (1979) and Russian (1981). In 1977, he was elected a Fellow of the American Geophysical Union. In 1979, he joined the MIT Corporation Advisory Committee to Earth Sciences. He is professor of geophysics at Stanford University and director of the Stanford Exploration Project. During the 1979-80 year he was on sabbatical leave at the Department of Geodesy and Geophysics, Cambridge University.

Dave Hale received a B.S. in physics from Texas A & M University in 1977. He then worked for Western Geophysical Company as a field seismologist in Venezuela and later as a research geophysicist in Houston. In the latter role, he implemented frequency domain methods of multichannel filtering and migration of seismic data and studied marine seismic sources with respect to wavelet processing techniques. In July of 1979, he joined the SEP. He received a fellowship from the Amoco Foundation in 1981, and is currently a Ph.D. candidate in geophysics. Dave is a member of SEG.

William Harlan received a B.S. in geophysics from Texas A & M University in 1981, under a scholarship from the SEG. During the summer of 1980, he worked as a seismic interpreter for Conoco. After graduation he became a researcher for Conoco, during which time he designed and completed an interactive event migration package and a multiple layer map modeling and migration package. He joined the SEP in 1981 as a Ph.D. candidate.

Stewart A. Levin received a B.A. in Mathematics from Princeton in 1975 and an M.S. in Mathematics in 1978 from Stanford. From 1979-1982 he worked at Western Geophysical, Houston, as a Senior Research Geophysicist. He joined the SEP in September 1982.

Peter Mora received a B.Sc. degree in geophysics (1978) and a B.Sc. Honours degree (1979) from the University of Adelaide, Australia. His Honours thesis involved 2D ray tracing to study moveout functions and interval velocities. He worked for Esso, Australia, as a geophysicist and programmer and later consulted to Delhi Petroleum developing forward modeling software including ray tracing and finite difference schemes. He is currently a Ph.D. student in geophysics at Stanford, working with the SEP.

Richard Ottolini has been with the SEP since October 1977. He received a B.S. degree in earth and planetary sciences from M.I.T. in 1976 and an M.S. in geophysics from Stanford in 1978. He did reflection seismology research for GSI during the summer of 1977. He is interested in migration, the automated interpretation of geophysical data, deep continental seismic reflections and Chinese geophysics. During 1979 Rick spent six months studying at the Peking Language Institute, Peking, China. He is a Ph.D. candidate at Stanford, a member of SEG and AGU.

Fabio Rocca received his Dott. degree in electrical engineering in 1962 from the Polytechnical School of Milano, where from 1962-1967 he was a teaching assistant, from 1967-1975 associate professor and from 1975 to present full professor of Radiotechniques. He was head of the department of electrical engineering from 1975 to 1978. He is a member of EAEG and SEG and associate editor of the Signal Processing and Geophysical Prospecting Journals. His current research interests include signal processing in geophysics, communications and biomedical imaging. He has been a visiting professor in the department of Geophysics at Stanford University in winter and spring of 1979 and in the summer and fall of 1982.

Joshua (Shuki) Ronen received a B.Sc. in physics and in geology from the Hebrew University at Jerusalem in 1981. During his B.Sc. studies he worked as a research assistant in the Physics Department and spent a summer at the Geology Department in the Hebrew University. He is now working toward a Ph.D. in geophysics at Stanford.

Daniel Rothman received an A.B. in applied mathematics from Brown University in 1979. He then worked for Western Geophysical Company in their research and development group, first in Houston and later in London, developing and testing a variety of data processing algorithms. In March, 1982 he joined the SEP and is currently working toward his Ph.D. in geophysics. He is a member of SEG.

Chuck Sword received a B.S. in physics from Stanford University in 1980. That summer he worked at Marathon Oil Company's Denver Research Center, where he helped process experimental marine data and implement a migration scheme. He joined the SEP in September 1980 and is working toward a Ph.D. in geophysics. During the summer of 1982 he worked at Chevron, La Habra, using computer graphics for interpretation of seismic data.

Jeff Thorson received a B.S. degree in geology from the University of Washington in 1973 and an M.S. degree in geophysics from the University of Houston in 1975. He has worked for Getty Oil Company as an interpreter and in the field as a company representative on various seismic surveys. He is a member of SEG and EAEG, and is the recipient of an N.S.F. graduate fellowship.

John Toldi received a B.S. in physics and an M.S. in geophysics from Stanford University in 1978. He then worked for Chevron Geosciences, Houston, in seismic data processing and later in a programming and evaluation group. In January 1982 he joined the SEP and is currently working toward a Ph.D. in geophysics.

Ronald Ullmann received his B.S. in geophysics from Texas A & M University in 1981. During the summer of 1980, he worked for the Oklahoma Division of Getty Oil Company as an assistant geophysicist. The summer of 1981 he worked at Chevron Oil Field Research Company in La Habra, California, where he wrote computer programs to compute seismic wave velocities in saturated, porous rocks. He joined the SEP in September of 1981 and is working on his Ph.D. in geophysics. He is the recipient of an N.S.F. graduate fellowship and a student member of the SEG.

Boris R. Zavalishin received his geophysical engineering diploma and Ph.D. in geophysics from the Moscow Institute of Petrochemical and Gas Industry. He has worked in the Geophysical Department of this Institute since 1962 and is now a senior research associate. From 1964-66 and 1969-71 he was in Pakistan working for the Oil and Gas Development Corporation. He has published about thirty papers. Recent interests include seismic imaging and diffractions. He is currently a Visiting Scholar at Stanford University.

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G E O P H Y S I C A L I N S T I T U T E

Czechoslovak Academy of Sciences, Prague

FACULTY OF MATHEMATICS AND PHYSICS

Charles University, Prague

WORKSHOP MEETING ON SEISMIC WAVES IN LATERALLY INHOMOGENEOUS MEDIA II

under the auspices of the European Seismological Commission

Prague, June 1982

V. Červený, I. Pšenčík, L. Waniek

for the Organizing Committee

Castle of Liblice near Prague

June 6—11, 1983

FIRST CIRCULAR

WORKSHOP MEETING ON SEISMIC WAVES IN LATERALLY INHOMOGENEOUS MEDIA II

Castle of Liblice near Prague

June 6—11, 1983

Under the auspices of the European Seismological Commission (ESC), the Geophysical Institute of the Czechosl. Acad. Sci., Prague together with the Faculty of Mathematics and Physics, Charles Univ., Prague will organize a workshop "Seismic waves in laterally inhomogeneous media II", in June 1983.

The workshop will have a similar programme as that organized under the same name at Liblice in February—March 1978. It will mainly deal with the theoretical, model and interpretational aspects of the seismic wave propagation in laterally inhomogeneous media. Attention will be devoted to the applications to the Earth's crust and the uppermost mantle as well as to seismic prospecting.

The following topics are recommended for the papers:

- I. Mathematical modelling of seismic wave fields in laterally inhomogeneous media with curved interfaces and block structures (including random media and anisotropic media).

- II. Physical modelling of seismic wave fields in laterally varying layered structures.
- III. Inversion of seismic data for laterally inhomogeneous structures (with special emphasis to the linearization approaches).
- IV. Lateral inhomogeneities and anisotropy of the Earth's crust and the uppermost mantle.

Each session will begin with an invited paper which will be followed by short papers (not longer than 15 minutes). Advanced instructions will be provided on certain modern basic principles and methods, and on available program packages.

Much emphasis will be on free and informal discussions and exchange of ideas during the meeting. Suitable conditions for this purpose will be certainly found in the Castle of Liblice near Prague, where the meeting will take place. The capacity of the Castle permits, however, to accommodate only a limited number of persons (70 to 80).

Participants are requested to kindly fill in the enclosed application form and to return it by November 30, 1982 at the latest. The second circular with detailed information will be distributed only to the persons who have returned the application form.

The conference fee of about 100 US dollars includes accommodation and full board for 5 days at the Castle, social programme and conference materials. For accompanying persons the fee is about 80 US dollars.

Any request for additional information and application forms should be sent to the following address: Ivan Pšenčík, Geophysical Institute of the Czechoslovak Academy of Sciences, Boční II, 141 31 Praha 4 - Spořilov, Czechoslovakia. Telex No. 121 330 or 121 546.