

SEP Phone Directory

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RESEARCH PERSONNEL

Kamal Al-Yahya received a B.S. degree in physics from the University of Petroleum & Minerals, (Dhahran), 1980, and an M.S. degree in engineering geoscience from the University of California, Berkeley in 1983. He is currently working towards a Ph.D. degree in geophysics at Stanford. He is a member of the SEG and EAEG and a recipient of an ARAMCO scholarship.

Jon F. Claerbout (M.I.T., B.S. physics, 1960, M.S. geophysics, 1963, Ph.D. geophysics, 1967) joined the geophysics faculty at Stanford University in 1967 and became a consultant to the Chevron Oil Field Research Company (1967-73). On leave in 1972-73, he was a visiting research geologist at Princeton University and a visiting lecturer at Sydney University. In 1973 he founded the Stanford Exploration Project (SEP). In 1977 he was elected a Fellow of the American Geophysical Union and in 1979 joined the MIT Corporation Advisory Committee to Earth Sciences. Professor Claerbout received the Best Presentation Award from the Society of Exploration Geophysicists for his paper, *Extrapolation of Wave Fields*, and received the Society's Medal Award "in recognition of his outstanding and original pioneering work in seismic wave analysis." His first textbook *Fundamentals of Geophysical Data Processing*, published in 1976, was translated to Chinese (1979) and Russian (1981). During a 1979-80 sabbatical at Cambridge University he began writing a second book *Imaging the Earth's Interior*, which was recently completed and produced as SEP-40.

Joe Dellinger received a B.S. degree in mathematics and another in geophysics from Texas A & M university in 1983, under Mobil and Amoco scholarships. After spending a summer working for Mobil DRD, he is now working toward a Ph.D. in geophysics at Stanford as a member of the SEP group under an NSF scholarship.

Yves Dezard graduated from the Ecole Polytechnique in Paris in 1982. The same year he worked for the Compagnie Francaise des Petroles on modeling and inversion of electromagnetic data. He joined the Institut Francais du Petrole at the end of 1982 and is working toward an advanced engineering degree in Geophysics. Yves's research concerned the pre-stack migration algorithms. While at Stanford, his stay was supported by the Compagnie Francaise des Petroles.

Paul Fowler studied at Reed College and Portland State University, receiving a B.S. degree in mathematics and earth sciences in 1981. He has worked as a seismologist for the U.S. Army Corps of Engineers during 1982, and as a research geophysicist with Merlin Profilers in Woking, England during the summer of 1984. He is currently working toward a Ph.D. in geophysics at Stanford and is the recipient of an NSF graduate fellowship. He is a student member of SEG, EAEG, AGU, and SSA.

William Harlan received a B.S. in geophysics from Texas A & M University in 1981, under a scholarship from the SEG, and an M.S. in geophysics from Stanford in 1984. During the summer of 1980, he worked as a seismic interpreter for Conoco in Midland, Texas. After graduation, he worked as a Conoco researcher in Ponca City. In 1981 he joined the SEP as a Ph.D. candidate at Stanford. During the first half of 1984, Bill studied at L'Institut Français du Pétrole with Patrick Lailly. His present research emphasizes the application of estimation theory to the extraction of rock parameters from sparse and noisy data.

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.

Zhiming Li received a B.S. in geophysics from the East-China Petroleum Institute in 1982 and a M.S. in geophysics from Stanford University in 1984. From January to April of 1982, he was doing his bachelor thesis of Maximum Entropy Deconvolution and other research at the Shengli Oilfield, the second largest oilfield in China. He is now a Ph.D. student of SEP.

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.

Francis Muir studied mathematics at Balliol College, Oxford, from 1943 to 1950. In 1954 he joined Seismograph Service Limited where he was employed in research and as a field geophysicist on reflection and refraction crews in the U.K., Algeria, Niger, Nigeria, Papua and Australia. He joined West Australian Petroleum in 1962 as a field supervisor and staff geophysicist, and transferred to Chevron Oil Field Research Company in 1967, where he was senior research associate at the time of his leaving Chevron at the end of 1983. Francis was a consulting professor at Stanford for two quarters in 1978, a further quarter in 1981, and was reappointed to that position in January of 1984. Since July he has continued the appointment on a part-time basis and, additionally, presides over Francis Muir & Company, which is involved in seismic exploration and software development.

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 as a research geophysicist in Houston, Texas, and London, England, developing and testing a variety of seismic data processing algorithms. In March, 1982 he joined the SEP and is currently working toward his Ph.D. in geophysics. Dan is a recipient of a fellowship from the Amoco Foundation. He is a member of SEG, EAEG, and AGU.

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. 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 Research in La Habra. In June 1984 he returned from nine months of study at the Gubkin Institute of Petrochemical and Gas Industry in Moscow. Chuck is currently working on the processing of converted-wave data by various conventional and unconventional methods. He is a member of SEG, EAEG, and AGU.

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.

Marta Jo Woodward received a B.A. in chemistry from the University of California at San Diego in 1974 and an M.B.A. from the University of Santa Clara in 1981. From 1978 through 1982 she worked for the U.S. Geological Survey in Menlo Park. She has been a graduate student in geophysics at Stanford since 1982 and a member of the SEP since September 1983. During the summer of 1984 Marta worked at Chevron U.S.A. in Concord.

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