

CURRICULUM VITAE

Name: Edip BAYSAL

Education: Ph.D. University of Houston, USA
1979-1982 Geophysics Department.
PhD Thesis: "Modeling and Migration by the Fourier Transform Method."

Engineering Degree University of Istanbul, Turkey
1971-1976 Faculty of Natural Sciences. Geophysics Department.
Engineering Thesis: "First Derivative Method in Dipole Innerfield and Resistivity by using Linear Electrode Arrays."

Career History

2005-Present UNIVERSITY OF HOUSTON, Houston, TX.
Department: Natural Sciences and Mathematics, Department of Geosciences.
Position: **LECTURER** in Geophysics

1998-Present: PARADIGM, Houston, U.S.A.
Position: **CHIEF GEOPHYSICIST** in R&D

1997-1998: SEISMIC RESEARCH CORPORATION, Houston, U.S.A. (SRC).
Position: **VICE-PRESIDENT OF RESEARCH & DEVELOPMENT**

1988-1997 ANKARA UNIVERSITY, Ankara, Turkey.
Department: Faculty of Natural and Applied Sciences.
Position: **ASSOCIATE PROFESSOR** in Applied Geophysics

1983-1997 TURKISH PETROLEUM CORPORATION, Ankara, Turkey. (TPAO).
Department: Exploration Group.
Position: **DEPUTY EXPLORATION MANAGER**, Manager of Data Processing Center, Chief Geophysicist in Data Processing and Research.

1981-1983 GEOPHYSICAL DEVELOPMENT CORPORATION, Houston, US.A.
Position: **RESEARCH GEOPHYSICIST**.

1980-1983 UNIVERSITY OF HOUSTON, Houston, U.S.A.
Department: Seismic Acoustics Laboratory (SAL).
Position: **RESEARCH ASSISTANT**.

1977-1979 TURKISH PETROLEUM CORPORATION, Ankara, Turkey.
Department: Exploration Group.
Position: **GEOPHYSICIST** in Data Acquisition and Interpretation.

Professional Memberships and Associations

- ◇ Society of Exploration Geophysicists
 - ◇ European Association of Geoscientists and Engineers
 - ◇ Chamber of Geophysical Engineers of Turkey
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- Publication Committee of “Jeofizik”, the technical publication of the Chamber of Geophysical Engineers of Turkey, 1985 to 1990.
 - Executive Committee of the European Association of Exploration Geophysicists (EAEG), 1990 to 1995.
 - Editorial Board of “Geophysical Transactions”, the international publication of Eotvos Lorand Geophysical Institute of Hungary, 1993 to 1997.

Publications

- Baysal E., 1982, Modeling and Migration by the Fourier Transform Method, PhD Thesis, University of Houston, USA.
 - Baysal E., 1976, Lineer Elektrot Tertibinde Dipol İç Alan ve Rezistivite, 1. Türev Yöntemi, Yük, Muhendislik Tezi, I.Ü. Fen Fakültesi Jeofizik Yük, Müh. Bölümü. (M.Sc. Thesis)
1. Baysal E., 1980, Interpretation of SALREF Model, Curved Reefs: SAL Progress Review, V.6, University of Houston, Houston, USA.
 2. Baysal E., 1980, Interpretation of SALLIP Model, Simple Overhang: SAL Progress Review, V.6, University of Houston, Houston, USA.
 3. Baysal E., 1980, Interpretation of SALOVR Model, Complicated Overhang or Thrust: SAL Progress Review, V.6, University of Houston, Houston, USA.
 4. Kosloff D.D., and Baysal E., 1981, Forward Modeling by a Fourier Method: SAL Progress Review, V. 7, University of Houston, Houston, USA.
 5. Baysal E., and Kosloff D.D., 1981, Interpretation of Physical Model Results with the Aid of Forward Modeling: SAL Progress Review, V. 7, University of Houston, Houston, USA.
 6. Baysal E., and Kosloff D.D., 1981, Seismic Interpretation with Forward Modeling: SAL Progress Review, V. 8, University of Houston, Houston, USA.
 7. Baysal E., and Kosloff D.D., 1982, Depth Migration by a Fourier Method: SAL Progress Review, V. 9, University of Houston, Houston, USA.
 8. Kosloff D.D., Reshef M., and Baysal E., 1982, 2D FFT without Matrix Transpose: SAL Progress Review, V. 10, University of Houston, Houston, USA.
 9. Baysal E., Sherwood J.W.C., and Kosloff D.D., 1982, Depth Migration by Time Reversal: SAL Progress Review, V. 10, University of Houston, Houston, USA.
 10. Baysal E., Sherwood J.W.C., and Kosloff D.D., 1982, A Two-Way Nonreflecting Wave Equation: SAL Progress Review, V. 10, University of Houston, Houston, USA.
 11. Chou L.L., Kosloff D.D., Baysal E., and Hilterman F.J., 1983, Finite Element and Kirchhoff Wave Theory Comparisons to Physical Model Data: "Seismic Studies in Physical Modeling," IHRDC, Boston, USA.
 12. Kosloff D.D., and Baysal E., 1982, Forward Modeling by a Fourier Method: Geophysics, V. 47, p. 1402-1412.
 13. Kosloff D.D., and Baysal E., 1983, Migration with the full acoustic wave equation:
 - : Geophysics, V. 48, p. 677-687
 - : Migration of Seismic Data, 1985, Geophysics reprint series, No.4., p. 433-443.
 14. Baysal E., Kosloff D.D., and Sherwood J.W.C., 1983, Reverse Time Migration: Geophysics, V. 48, p. 1514-1524.

15. Baysal E., Kosloff D.D., and Sherwood J.W.C., 1984, A Two-Way Nonreflecting Wave Equation: Geophysics, V. 49, p. 132-141.
16. Baysal E., 1984, Sismik Veri İşlem: TPAO Arama Grubu Yayinlari, Ankara, Turkey.
17. Baysal E., 1985, Frekans Ortamında Ters Evrisim: Jeofizik, 25. Yı özel sayisi, p. 3-30.
18. Baysal E., 1985, Bir Sismik Modelleme Örneđi; Resif : Jeofizik, 25. Yıl özel sayisi, p. 75-88.
19. Baysal E., and Taner M.T., 1990, Post and Prestack Depth Migration via Model Based Ray Tracing: 10th Petroleum Exploration and Production Conference Proceedings, Cairo, Egypt
20. Taner M.T., Baysal E., 1991, Velocity Analysis and Depth Migration of Complex Structures: Ozan Sungurlu Sempozyum Bildirileri, Ozan Sungurlu Bilim, Eđitim ve Yardim Vakfi, p. 138-155.
21. Taner M.T., Baysal E., Koehler F., 1991, CDS, Controlled Directional Source Method, Slant Stack Processing: Geophysics Reprint Series No 14, p. 390-418.
22. Baysal E., 1992, Akustik Dalga Denklemi İle Modelleme, Jeofizikte Modelleme Kolekyumu: TMMOB Jeofizik Muh. Odasi, p. 157-176.
23. Tardu T. ve Baysal E., 1995, "Sequence" Stratigrafi Prensipleri: Ozan Sungurlu Bilim, Eđitim ve Yardim Vakfi Eđitim Yayinlari No. 1.
24. Taner M.T., Wagner D.E., Baysal E. and Lu L., 1998, A Unified Method for 2D and 3D Refraction Statics, Geophysics, v.63, p. 260-274.

Presentations

1. Baysal E., 1985, Yansimasiz Bir Dalga Denklemi: 8. Teknik ve Bilimsel Kurultayi, Türkiye Jeofizikçiler Derneği, Ankara, Turkey
2. Baysal E., 1985, Ters Çevrilmiş Zaman Yöntemi ile Derinlik Migrasyonu: 8. Teknik ve Bilimsel Kurultayı, Türkiye Jeofizikçiler Derneği, Ankara, Turkey
3. Baysal E., 1985, Sismik Modelleme, 8. Teknik ve Bilimsel Kurultayı: Türkiye Jeofizikçiler Derneği, Ankara, Turkey
4. Taner M.T., Baysal E., Koehler F., 1987, Yön Kontrollü Kaynaklarla Sismik Görüntüleme: 9. Türkiye Jeofizik Kurultayı, Ankara, Turkey
5. Baysal E., Taner M.T., Koehler F., 1987, Yigma Öncesi Göç: 9. Türkiye Jeofizik Kurultayı, Ankara, Turkey
6. Taner, M. Turhan, Baysal, Edip and Koehler, Fulton, 1987, Controlled Directional Seismic Sources: 57th Annual International Meeting, Society of Exploration Geophysicists
7. Baysal E., 1987, Gelisigüzel Gürültünün Bastirilmesi: Bilimsel ve Teknik 9. Kurultayı Bildiri Özetleri, Türkiye Jeofizik Mühendisleri Odası.
8. Taner, M. Turhan, Lu, Lee and Baysal Edip, 1988, Unified Method for 2-D and 3-D Refraction Statics with First Break Picking by Supervised Learning: 58th Annual International Meeting, Society of Exploration Geophysicists
9. Baysal E., Taner M.T., 1989, Isin Modelleme Tekniğiyle Yigma Öncesi ve Sonrası Derinlik Göçü: 11. Türkiye Jeofizik Kurultayı, Ankara, Turkey
10. Baysal E., and Taner M.T., 1990, Post and Prestack Depth Migration via Model Based Ray Tracing: 10th Petroleum Exploration and Production Conference, Cairo, Egypt
11. Taner M.T., O'Doherty F.R., and Baysal E., 1991, Multiple Suppression by Multichannel Predictive Deconvolution: European Association of Exploration Geophysicists, Florence, Italy
12. Taner M.T., Postma R.W., Lu L., and Baysal E., 1991 Depth Migration Velocity Analysis: Society of Exploration Geophysicists 61st Annual International Meeting, Houston, Texas, USA
13. Baysal E., Taner M.T., and O'Doherty R., 1991, Multiple Elimination via Two Dimensional Predictive Deconvolution: Bilimsel ve Teknik 12. Kurultayı Bildiri Özetleri, Türkiye Jeofizik Mühendisleri Odası
14. Taner M.T., Lu L., and Baysal E., 1991, Static Corrections: Time, Amplitude and Phase: Society of Exploration Geophysicists 61st Annual International Meeting, Houston, Texas, USA
15. Taner M.T., Baysal E., and Lu L., 1992, Velocity Analysis for Depth Migration: European Association of Exploration Geophysicists, Paris, France
16. Taner M.T., Matsuoka T., Baysal E., Lu L., and Yilmaz O., 1992, Imaging with Refractive Seismic Waves: Society of Exploration Geophysicists 62nd Annual International Meeting, New Orleans, USA

17. Taner M.T., and Baysal E., 1994, Seismic Processing with Consistent Modules: European Association of Exploration Geophysicists, Vienna, Austria
18. Taner M.T., Schuelke J.S., O'Doherty R, and Baysal E., 1994, Seismic Attributes Revisited: Society of Exploration Geophysicists 64th Annual International Meeting, Los Angeles, USA.
19. Chen J., Baysal E. and Yilmaz O., 2004, Surface Related Multiple Attenuation on Sigsbee2B dataset: Society of Exploration Geophysicists 74th Annual International Meeting, Denver, USA.