

Erdal Ozkan, Ph.D.

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CONTACT INFORMATION:

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PROFESSIONAL INTERESTS:

Reservoir Engineering, Modeling Unsteady Flow in Porous Media, Pressure-Transient Analysis, Horizontal Well Technology, Shale-Gas and Shale-Oil Reservoirs

EDUCATION:

PhD, Petroleum Engineering, University of Tulsa, 1988
MS, Petroleum Engineering, Istanbul Technical University, 1982
BS, Petroleum Engineering, Istanbul Technical University, 1980

AWARDS:

SPE Distinguished Lecturer, 2011-2012
SPE Formation Evaluation Award, 2007
SPE Distinguished Member, 2009
SPE 25 Year Club member, 2010
Distinguished Alumnus, PE Department, The University of Tulsa, 2007
Award of Appreciation, SPE Editorial Review Committee, 2005
A Peer Apart, SPE Editorial Review Committee, 2007
Outstanding Graduate Faculty, Colorado School of Mines, Alumni Association, Fall, 2006.
Outstanding Technical Editor, SPE Editorial Review Committee, 2006.
Outstanding Technical Editor, SPE Editorial Review Committee, 1998.
Huseyin Okten Mining Award, Mil-Ten Group of Companies, 1995.
Turkish Government Fellowship, To pursue Ph.D. degree in the United States, 1993 – 1988.

SOCIETY MEMBERSHIPS:

Society of Petroleum Engineers, SPE
American Society of Mechanical Engineers, ASME
The Mathematical Association of America, MAA
Society of Industrial and Applied Mathematics, SIAM

ACADEMIC EXPERIENCE:

Director, Unconventional Reservoir Engineering Project (UREP) Consortium, Colorado School of Mines, Petroleum Engineering Department, October 2012 – Present.
Visiting Professor, University of North Fluminense, Macaé, Brazil, Jan. – June 2010.
Co-Director, Marathon Center of Excellence for Reservoir Studies, Colorado School of Mines, Petroleum Engineering Department, June 2003 – Present.
Professor, Colorado School of Mines, Petroleum Engineering Department, Aug. 2002 – Present.
Associate Professor, Colorado School of Mines, Petroleum Engineering Department, Aug. 1998 – July 2002.
Research Associate, University of Tulsa, Petroleum Engineering Department, Feb. 1997 – July 1998 (on sabbatical leave from Istanbul Technical University).
Associate Professor, Istanbul Technical University, Petroleum Engineering Department, Oct. 1992 – Feb. 1998.
Assistant Professor, Istanbul Technical University, Petroleum Engineering Department, May 1989 – Oct. 1992.
Teaching Assistant, Istanbul Technical University, Petroleum Engineering Dept. 1982 – 1983.
Research Assistant, Istanbul Technical University, Petroleum Engineering Dept. 1981– 1982.

OTHER EXPERIENCE:

Senior Advisor, MI3 Consulting, Nov. 2011- Present
Consultant, OMV Exploration & Production GmbH, Nov. 2010

Consultant, Marathon Oil Company, Sept. – Dec. 2009

Consultant, Baker Hughes, Houston, June 2004 – June 2006.

Consultant, Rosneft, Moscow, Oct. - Dec. 2007, Feb. – April 2010.

Consultant, EOG Resources, Denver, Oct. – Dec. 2007

Consultant, Schlumberger Technical Services, Middle East, Inc., Oct. 1996 – June 1997.

Trainee Engineer, Turkish Petroleum Corp., Luleburgaz Gas Field, Luleburgaz, Turkey, Summer 1978.

Trainee Engineer, Turkish Petroleum Corp., Bati Raman Oil Field, Batman, Turkey, Summer 1977.

MISCELLANEOUS SERVICES AND ACTIVITIES:

a) Academic Services

Chair, Faculty Search Committee, Colorado School of Mines, Sept. 2007 – May 2008.

Member of the Research Council, Colorado School of Mines, Aug. 2007 – Aug. 2008.

Graduate Program Coordinator, Colorado School of Mines, Pet. Eng. Dept., Aug. 2000 – Aug. 2009

Member of the Strategic Planning Committee, Colorado School of Mines, Dec. 2003 – June 2004.

Member of the Graduate Council, Colorado School of Mines, Aug. 1999 – Aug. 2004.

Faculty Advisor, SPE Student Chapter, Colorado School of Mines, 1999 – 2001.

Assistant Department Head, Petroleum Eng. Department, Istanbul Tech. U., Jan. 1995 - June 1996.

Member of the Academic Board, Istanbul Tech. U., Mining Faculty, 1991 - 1992 and 1996 - 1997.

Member of the Administrative Board, Istanbul Tech. U., Mining Faculty, 1989 - 1992.

Member of the Education Coordination Committee, Istanbul Tech. U., Mining Faculty, 1991 - 1995.

Faculty Advisor, SPE Student Chapter, Istanbul Tech. U., 1992 - 1993.

Member of the Computer Committee, Istanbul Tech. U., 1990 - 1994.

b) Professional Services

Member, SPE Reservoir Description and Dynamics Advisory Committee, 2003 – 2012.

Technical Director, SPE Research and Development Technical Section, 2007 – 2010.

Chief Editor, Elsevier Journal of Petroleum Science and Engineering, 2006 – 2008.

Executive Editor, SPE Reservoir Evaluation and Engineering, 2003 – 2005.

Review Chairman, SPE Reservoir Evaluation and Engineering, 1999 - 2003

Associate Technical Editor, ASME Journal of Energy Resources Technology, 2001 – 2003

Associate Editor, Elsevier Journal of Natural Gas Science and Technology, 2009 – Present

Associate Editor, Springer Journal of Petroleum Exploration and Production, 2010 – Present

Technical Editor, SPE Formation Evaluation and Engineering, 1997 – 1999, 2005 – Present

Member, Editorial Board, SPE Journal, Feb. 1997 – Nov. 1999.

Reviewer, Elsevier Journal of Petroleum Science and Technology, 1995 – 2006, 2008 – Present

Co-Chair of the Organizing Committee, SPE Technical Conference on Unconventional Gas, February 22 – 25, 2010, Pittsburgh, Pennsylvania.

Co-Chair of the Organizing Committee, SPE Technical Conference on Shale Gas Production, November 16 – 18, 2008, Irving, Texas.

Co-Chair of the Organizing Committee, SPE Technical Conference on Unconventional Reservoirs, February 10 – 12, 2008, Keystone, Colorado.

Member of the Technical Program Committee, 2011 SPE North American Unconventional Gas Conference and Exhibition, June 14-16, 2011, The Woodlands, Texas.

Member of the Technical Program Committee, Advances in Performance Diagnostics for Fractured and Horizontal Wells, September 19 – 21, 2007, Banff, Alberta, Canada.

Member of the Technical Committee, Second International Oil Congress and Exhibit in Mexico, June 27 – 30, 2007, Veracruz, Mexico.

Co-Chair of the Organizing Committee, SPE Advanced Technology Workshop on the Analysis of Well Performance – Future View, Key West, Feb. 7-9, 2007

Chair, Organizing Committee, SPE Advanced Technology Workshop on Unconventional Gas, April 19 – 21, 2006, Keystone, Colorado

Member, Steering Committee, SPE Middle-East Colloquium on Petroleum Engineering Education, Feb. 12 – 15, 2006, Dubai, UAE.

Member, Steering Committee, Energy Sources Technology Conference and Exhibition (ETCE), Houston, TX, Feb. 5-7, 2001.

Member, Steering Committee, TCE/OMAE2000 Joint Conference, Energy for the New Millennium, February 14-17, 2000, New Orleans, LA.

Member, Steering Committee, SPE Forum on Reservoir Engineering Aspects of Multilateral and Advanced Wells, Breckenridge, CO, July 11-16, 1999.

Member, Technical Committee, 9th Turkish Petroleum Congress, Ankara, Turkey, Feb. 92.

c) Society

President, Turkish American Cultural Society of Colorado, 2003 – 2006

Vice President, Turkish American Cultural Society of Colorado, 1999 – 2002

COURSES:

Undergraduate Level, Well Testing, Reservoir Engineering, Introduction to Petroleum Engineering, Rock Properties, Evaluation of Oil and Gas Fields, Geostatistics, Oil and Natural Gas Industry, Calculus III and IV.

Graduate Level, Shale-Gas Reservoir Engineering, Applied Mathematics for Petroleum Engineers, Horizontal Well Technology, Advanced Well Test Analysis I and II, Advanced Reservoir Engineering, Reservoir Simulation.

SHORT COURSES:

Shale-Gas Reservoir Engineering (Indonesia, Saudi Arabia, Argentina, USA), Pressure-Transient Analysis (Peru, USA, UAE, Russian Federation, Egypt), Horizontal and Multilateral-Well Technology (Argentina, Colombia, USA, Russian Federation, UAE, Egypt, Malaysia), Decline-Curve Analysis for Naturally Fractured Reservoirs (Turkey), Performance Predictions (Turkey), Natural Gas Engineering (Egypt), Fundamentals of Reservoir Simulation (Egypt), Mathematics of Fluid Flow in Porous Media (USA, Brazil).