

Richard G. Mallinson

a) Professional Preparation

Tulane University, Biomedical Engineering, B.S. Engr., 1977
Tulane University, Chemical Engineering, B. S. Engr., 1977
Purdue University, Chemical Engineering, M.S. Ch. E., 1979
Purdue University, Chemical Engineering, Ph.D., 1983

(b) Appointments

2006-present C. M. Sliepcevich Professor
2005-2006 NASA Faculty Fellow, Kennedy Space Center, FL
1998- 2006 Professor of Chemical Engineering, University of Oklahoma
1996-present Guest Professor, Tianjin University, PRC
1995- 2003 Director, Institute for Gas Utilization, Sarkeys Energy Center,
University of Oklahoma
1994-2005 Visiting Professor, Chulalongkorn University, Bangkok, Thailand
1990 Associated Western Universities Sabbatical Fellow, Lawrence
Livermore National Laboratory
1989-1998 Associate Professor of Chemical Engineering, School of Chemical
Engineering and Materials Science, University of Oklahoma
1983-1989 Assistant Professor of Chemical Engineering, School of Chemical
Engineering and Materials Science, University of Oklahoma

(c) Related or Recent Publications

Pham, T. T., L. L. Lobban, D. E. Resasco and R. G. Mallinson, "Hydrogenation and Hydrodeoxygenation of 2-methyl-2-pentenal on supported metal catalysts," *Journal of Catalysis*, 2009, [doi:10.1016/j.jcat.2009.05.009](https://doi.org/10.1016/j.jcat.2009.05.009)

Zhu, X., T. Hoang, I. Lobban and R. G. Mallinson, "Plasma reforming of glycerol for synthesis gas production," *Chem. Commun.*, 2009, DOI: 10.1039/b823410h

Zhu, X., T. Hoang, I. Lobban and R. G. Mallinson, "Significant Improvement in Activity and Stability of Pt/TiO₂ Catalyst for Water Gas Shift Reaction via Addition of Na," *Catalysis Letters*, **129**, 135, 2009.

Sooknoi, T., T. Danuthai, L. L. Lobban, R. G. Mallinson and D. E. Resasco, "Deoxygenation of methylesters over CsNaX," *Journal of Catalysis*, **258**, 199 (2008).

Chao, K. C., D. S. Corti and R. G. Mallinson, "Applied Thermodynamics," in Handbook of Chemical Technology, L. F. Albright, Ed., Marcel Dekker, NY, 2008.

(d) Synergistic Activities

He was Director of the Institute for Gas Utilization Technologies of the [Sarkeys Energy Center](#) from the mid 90s until 2003. This was an interdisciplinary center that was developed by Dr. Mallinson to foster collaboration of faculty at the University and to interface with industry.

He was integrally involved in the development of a curriculum for a new interdisciplinary Masters degree program in Natural Gas Engineering and Management that includes internet based courses via streaming video and netmeeting, among other technologies.

He has taught classes at the Chulalongkorn University at the Graduate Level on a number of occasions as part of partnership program with that university.

(e) Collaborators & Other Affiliations

- **Collaborators and Co-Editors**

M. Aresta, University of Bari; Sumaeth Chavadez, Chulalongkorn University; Chen-Hwa Chiu, ChevronTexaco ; Sub Gollahalli, OU; Chris Gordon, Halliburton; Thomas Hammer, Siemens; Trung Hoang, Petrovietnam; A. Kruapong, Thailand; David Larkin, Exxon Mobil; Huy Le, Petrovietnam; Chang-jun Liu, Tianjin University; Lance, Lobban, OU; Trung, Pham, Petrovietnam; K. Supat, Thailand; W. Sutton, University of Tennessee.

Graduate and Postdoctoral Advisors.

K.C. Chao and R. A . Greenkorn, Purdue University (both retired)

Thesis Advisor and Postgraduate-Scholar Sponsor.

All students/colleagues in the required time-frame are listed above as co-authors. Trung Hoang, Trung Pham, Anirudhan Gangadharan, Xinli Zhu. Total graduate students supervised is about 35, postdoctorals about 4.