

Manfred Heilig

Principal Scientist
BASF SE

Education

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|-------------|--------------------|----------------------|------|
| Ph.D. | Physical Chemistry | University Karlsruhe | 1988 |
| Dipl. Chem. | Chemistry | University Karlsruhe | 1985 |

Experience

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| Research Chemist | BASF Process Development Crop Protection |
| Research Manager | BASF Process Research & Chemical Engineering |

Committee Work

ProcessNet Subject Division Thermodynamics
ProcessNet Subject Division Molecular Modeling and Simulation for Process and Product Design

Selected Publications

Calculation of Thermodynamic Properties of Binary Fluid Mixtures to High Temperatures and High Pressures, M. Heilig, E.U. Franck, *Berichte der Bunsen-Gesellschaft* (1989), 93(8), 898-905

Phase Equilibria of Multicomponent Fluid Systems to High Pressures and Temperatures, M. Heilig, E.U. Franck, *Berichte der Bunsen-Gesellschaft* (1990), 94(1), 27-35

Vapor–Liquid Equilibria of Hydrogen Chloride, Phosgene, Benzene, Chlorobenzene, Ortho-Dichlorobenzene, and Toluene by Molecular Simulation, Y.-L. Huang, M. Heilig, H. Hasse, J. Vrabec, *AIChE Journal* 2011 Vol. 57, No. 4, 1043-1060

Molecular Modeling and Simulation of Vapor–Liquid Equilibria of Ethylene Oxide, Ethylene Glycol, and Water as well as their Binary Mixtures, Y.-L. Huang, M. Heilig, H. Hasse, J. Vrabec, *Ind. Eng. Chem. Res.* 2012, 51, 7428–7440

Reducing the amount of PCP–SAFT fitting parameters, K. Albers, M. Heilig, G. Sadowski, *Fluid Phase Equilibria* 326 (2012) 31-44