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Biography of Erich Wimmer

Erich Wimmer, a native of Austria, is co-founder and Chief Scientific Officer of Materials Design, a company developing software and providing services for materials research. He received an engineering degree in 1974 from the University of Technology in Vienna and a doctoral degree in chemistry in 1977 from the same institution. As research associate with Prof. A. J. Freeman at Northwestern University, Illinois, USA, Dr. Wimmer was instrumental in the development of the full-potential linearized augmented plane wave (FLAPW) method for accurate electronic structure calculations of solids and surfaces. In 1985 he joined Cray Research in Minnesota as Technical Director, where he initiated an industrial consortium to develop a new generation of software for materials modeling. In 1992 he was hired by Biosym Technologies in San Diego to start an industrial consortium in electronic, optical, and magnetic materials. During the past two decades at the company Materials Design, his interests focused on structural and functional materials such as advanced metal alloys, batteries, and electronic materials. Dr. Wimmer is author and co-author of over 120 scientific publications and book contributions. He has given numerous invited talks in the US, Europe, Japan, and Korea. Dr. Wimmer has been selected as “Outstanding Referee” by the American Physical Society. He is chairman of the industrial advisory board of the MARVEL project centered at the Ecole Polytechnique Fédérale de Lausanne in Switzerland and he is member of the management board of the European Materials Modelling Council.