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- working on small scales

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Speaker of Session 5

GRAPHENE-BASED NANOTECHNOLOGY FOR ENERGY APPLICATIONS



Alexander F. Sax earned his PhD (1978) from the University of Graz (Austria). He is member of the Chemistry Department of the University of Graz. The focus of research changed from gas phase reactions of small silicon hydrides to the description of defects in amorphous silicon and the description and analysis of weak molecular interactions, especially hydrogen bonding at cellulose surfaces; adsorption on graphene, carbon nanotubes and fullerenes; the calculation of adhesive forces at these interfaces. Besides these computational chemistry activities he is also interested in the description of chemical bonding using orthogonal valence bond theory.

