Surface and Interface Science, Volume 3 and 4: Volume 3 - Properties of Composite Surfaces; Volume 4 - Solid-Solid Interfaces and Thin Films
Klaus Wandelt (Editor)

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DESCRIPTION

Covering interface science from a novel surface science perspective, this eight-volume handbook offers a comprehensive overview of both these and numerous other topics.

The initial chapters treat basic fundamentals on such topics as vacuum technology, while general chapters -- where appropriate -- describe theoretical methods and provide models to help explain the respective phenomena, such as band structure calculations, chemisorption and segregation. Additionally, short references to more specialized methodology accompany the descriptions of the most important techniques.

Ideal as a reference for scientists in the field, as well as an introduction to current methods for newcomers.

ABOUT THE AUTHOR

Klaus Wandelt is Full Professor in Physical Chemistry and Director of the Institute of Physical and Theoretical Chemistry at the University of Bonn, Germany. In 1975 he received his PhD on electron spectroscopic investigations of alloy surfaces. After a postdoctoral stay at the IBM-Research Laboratory in San Jose, California, he qualified as a professor on the concept and detection of the local work function in 1981.
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Professor Wandelt has organized numerous national and international conferences and workshops, edited conference proceedings and books, and published about 400 research papers.

SERIES

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