

# RUDOLF BURCL

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## EDUCATION

**M.Sc.** summa cum laude, Physical Chemistry; 1992.

**Charles University, Prague, Czechoslovakia** (Prof. P. Hobza)

- *Thesis*: "Van der Waals interaction of open- and closed-shell systems."

**Ph.D.** Biomedical Sciences/Health and Environmental Chemistry; 1999.

**Oakland University, Rochester, Michigan, USA** (Prof. M. M. Szczeniak)

- *Thesis*: "Ab initio studies of van der Waals clusters."

**Postdoctoral** **Michigan State University** (Prof. P. Piecuch); 1999-2000

- Reactive and van der Waals surfaces, MRDCI, CC methods.

**University of Cambridge** (Prof. N. C. Handy); 2001-2003

- DFT, electronic and vibrational spectroscopy

## ACADEMIC POSITIONS

Assistant Professor, Marshall University, 2004-present

## RESEARCH INTERESTS

Applications of quantum mechanical methods to the study of reactive and nonreactive processes; open-shell systems, excited states, van der Waals complexes, H-bonded systems, nonadditive interactions; theory of intermolecular forces; spectroscopy.

## PROFESSIONAL SOCIETIES

American Chemical Society

## AWARDS

- Research Excellence Fund Fellowship, Center for Biomedical Research, Oakland University; 1998

- Award of Czechoslovak Chemical Society for outstanding M.Sc. thesis, 1992 (1 of 4 given nationally).