

# COLLOQUIUM

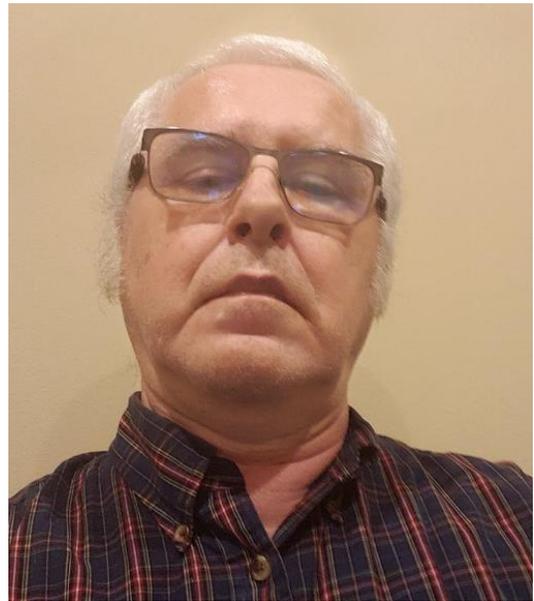
## From Interface to Interphase

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**Abstract:** Suppose you are doing research on materials and you are preparing a report or article. In that case, you may eventually notice that the Word for Windows editor is flashing interphase as a wrongly spelled word. The Word for Windows thesaurus does not recognize interphase, and some dictionaries (such as Merriam-Webster) will define the interphase as "the period between the end of one mitotic or meiotic cell division and the beginning of the next."



But your research is on (nano)materials and unrelated to any biological process (step).

Essentially, you are pushed towards the use of the name interface.

The seminar aims to convince you that interphase may be the right word for some of your research and to differentiate between interphase and interface.

This seminar is focused on the evolution of concepts regarding the structure of matter in connection to an essential feature: the surface. Considering that the audience is expected to consist of undergraduate students, graduate students, and professors, the seminar will also include historical milestones to understand these concepts better. The seminar will provide a critical view of interface and interphase, justify the use of interphase, and suggest instances in which the use of interphase is correct and recommended. A critical review of some relevant results will be briefly discussed.