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What Do We Still Want to Know 90 Years After the Continuous Random Network (CRN) Theory?

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Message from the Guest Editors

Dear Colleagues,

In October 1932, WH Zachariasen published his paper "The Atomic Arrangement in Glass". Since then, CRN theory has become the most common model for the structure of glasses. While the theory is not challenged for its description of the short-range and long-range structure, glass structure in the medium range (0.5–2 nm) is still a controversial topic. As the 90th anniversary of Zachariasen's famous paper approaches, this Special Issue will focus on the medium-range structures in glasses, its characterization, formation, and its relation with physical properties. Full research articles, short communications, and comprehensive reviews are welcome.

The proposed topics include but are not limited to the following:

-Characterization of structures of various glasses by advanced structural probes;

-Understanding the glass formation process;

-Influence of glass structures on its physical properties.

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