Amorphous semiconductors are substances in the amorphous solid state that have the properties of a semiconductor and which are either covalent or tetrahedrally bonded amorphous semiconductors or chalcogenide glasses.

- Developed from both a theoretical and experimental viewpoint
- Deals with, amongst others, preparation techniques, structural, optical and electronic properties, and light induced phenomena
- Explores different types of amorphous semiconductors including amorphous silicon, amorphous semiconducting oxides and chalcogenide glasses
- Applications include solar cells, thin film transistors, sensors, optical memory devices and flat screen devices including televisions

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