



materials



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Advanced Structural Health Monitoring in Materials

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Message from the Guest Editor

Dear colleagues,

Structural health monitoring of materials using in-situ sensors predicts the lifetime and safety of infrastructure, such as bridges and pipelines, and vehicles, especially aircraft with composite materials, and mechanical devices such as wind turbines. In addition, it holds the promise of providing real-time data for adaptive mechanical devices. While this issue is not limited to fiber optic sensors, these sensors, particularly distributed sensors including fiber Bragg gratings, have the ability to be easily integrated and provide extensive data at high speed. Besides advances in the sensors themselves, this Special Issue is seeking innovation in the integration and connectivity of such sensors.

Prof. Keith W. Goossen

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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