



## Smartphone-Based Sensors for Biometric Authentication

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Deadline for manuscript  
submissions:

**closed (30 November 2020)**

### Message from the Guest Editor

Dear Colleagues,

Mobile devices are becoming increasingly sophisticated and now incorporate many diverse and powerful sensors. The latest generation of smart phones is especially laden with sensors, including GPS sensors, vision sensors (cameras), audio sensors (microphones), light sensors, temperature sensors, direction sensors (compasses), and acceleration sensors. “Smart” mobile devices have substantial computing power, ability to send and receive data, and nearly ubiquitous use in our daily life.

Biometric authentications (such as fingerprint scanning, retina scanning, or face detection) provide improved reliability and usability because, unlike conventional methods, they do not require passwords that need to be remembered.

The scope of this Special Issue includes, but is not limited to, the following topics:

- novel authentication algorithms and modalities
- data security and policy
- usability and accessibility
- performance assessment
- mobile biometric deployment
- biometric systems performance
- new sensors for biometric data acquisition





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