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Next Generation RFID Transponders

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Message from the Guest Editors

This Special Issue solicits review and original articles that cover next-generation auto-identification systems, especially the transponder. At the physical level, new functional materials are being developed, and transduction mechanisms are studied to improve the coupling efficiency. At the device level, researchers are integrating their transponder's circuitry with MEMS sensors for enhanced capabilities. In order to do so, the energy harvester module is added to supplement the RF power from the interrogator. At the circuit level, we would like to highlight the advances in integrated circuit and antennae for ultrasensitive detection, and fabrication techniques such as printed RFID. Finally, we also welcome articles that address practical issues such as packaging of transponders for niche environments, etc.

Deadline for manuscript
submissions:

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Message from the Editor-in-Chief

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