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a strategic consideration of

diverse biomedical signals with

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measurements; Facilitates

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everywhere, be it whether we are
engineers, doctors or anyone, we
are surrounded by sensors. It is a
device that converts signals from
one energy domain to electrical
domain which you commonly see
in your homes, offices, shopping
malls, hospitals like fire sensors
and door sensors which makes
our life easier and safer.

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prediction, detection, and

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monitoring of some diseases from the phonocardiogram (PCG) signal analysis. Several challenges and future perspectives related to the acoustic sensors applications are highlighted.

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According to biological sensing component, biosensor may be divided into five classes: enzyme sensor, microbe sensor, cell sensor, tissue sensor, and immune sensors. According to the signal converter of biosensor, biosensor may be also divided into five classes: bioelectrode sensor, semiconductor biosensor, optical biosensor, piezoelectric biosensor and thermal biosensor.

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The three main axes of this proposal are: parallel or distributed capture, filtering and adaptation of biomedical signals, and synchronization in real epochs of sampling. Thus, the present proposal underlies a general system, whose main objective is to be a wireless benchmark in the field.

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The development of new materials in recent decades has resulted in the acquisition of biomedical signals becoming more accessible for researchers. In fact, the new sensors for data

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