Human x Sensor:
How Sensor Information Changes Human, Organization, and Society

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21st-century value-creation model goes beyond 20th-century labor-saving model. This paper proposes "Human x Sensor" that amplifies the awareness of humans by sensor information. One-cubic-centimeter sensors and networks, which are to be worn and record every activity of life, business, and society, enable novel imaging of life, which we call "Life Microscope" and "Business Microscope." Based on this X-Microscope concept, new lifestyle and work-style, which allow us to obtain tacit knowledge beyond logical analyses, enhanced learning capability from history for the future, and autonomous behaviors with shared holistic organizational situations. With the use of debris signals, which we call "siglet," information technology will have unprecedented tighter relationship with world realities, and drive the evolution of human, organization, and society.