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## **The New Physics for the Twenty-First Century**

The latest advances in physics can protect your credit card, assess your reaction to a Mozart piano sonata, or use your home computer to help predict climate change. If you really want to know not just what the latest scientific advances are, but how they might be applied in the future, who better to ask than the worlds leading physicists? And that is precisely what Gordon Fraser has done for you in *The New Physics for the Twenty-First Century*.

The many breakthroughs and changes in the world of physics included within this thoughtful book not only underpin all the other branches of contemporary science, but also ultimately effect how we experience life and how life itself functions.

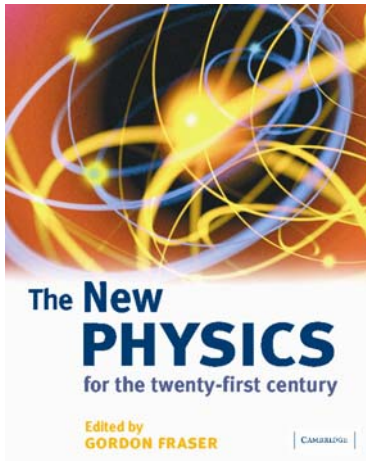
Each chapter is written in an engaging, lively and accessible style. It will fascinate scientists of all disciplines and delight students of science, lay scientists or anyone wishing to know more about recent dramatic developments in the rapidly changing world of physics that could go on to change our lifestyle. There are many important topics covered, and these include:

Cosmology; Gravity; Astrophysics; Particles; Superstrings; Atoms and Photons; Ultra-Cold Atoms; Superfluidity; Quantum Computers and Quantum Entanglement; Nanoscience; e-Science and the Grid; Nonlinearity; Complexity; Biophysics; Medical Physics; Materials Science; Physics and Society

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## Notes to Editors



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