

Plenary talks (PV)

Plenary Talk (SKM) PV VIII Tue 9:15 HSZ 01
**Computational Design of New Multifunctional Materials:
From Magnetoelectronics to a Theory of Everything.** —
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land
Modern computational methods are proving to be invaluable in the

first-principles design of new materials with specific targeted function-
alities. I will illustrate their utility with two examples from the field
of multiferroics: First, the design of new materials for electric-field
control of magnetism, and second, testing extensions to the Standard
Model by searching for the electric dipole moment of the electron.