

3-DAY CONFERENCE ON FIRST-PRINCIPLE CALCULATION OF ELECTRONIC STRUCTURE

The Department of Physics is holding from Monday (November 1) to Wednesday in the Chueh-sheng International Conference Hall the 7th Asian Conference on First-Principle Calculation of Electronic Structure. The participants include forty scholars from Europe, the US, Japan and South Korea, and over ninety computational physicists in this country.

Due to the excellence of computational physics research at Tamkang, the Department of Physics has, following National Taiwan University, won the right to host the 7th Asian Conference on First-Principle Calculation of Electronic Structure, with National Science Council sponsorship of one million NT dollars. The coordinator, Prof. Lee Ming-hsien, explains that first-principle computational material physics is about using powerful computers to do precise calculations on the physical formulas of quantum mechanics; the method makes it possible to predict the physical properties of various materials without going through laboratory measurement.

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