New Frontiers in Nanocarbons
by R. Bruce Weisman

The Revival of Fullerenes?
by Nazario Martín

Discovering Properties of Nanocarbon Materials as a Pivot for Device Applications
by Tetyana Ignatova and Slava V. Rotkin

Carbon Onions: Synthesis and Electrochemical Applications
by John K. McDonough and Yury Gogotsi

On the cover . . .
Nanotube–PCBM interface in nanocarbon solar cells (top inset); heat conductance in a nanotube forest on a quartz substrate (middle inset); T- and H-junctions of single-wall nanotubes as electronic splitters (bottom inset and background).

Cover design by Slava V. Rotkin (data and image); Monica Shell, designer; Johanna S. Brams, project manager, IMRC, Lehigh University. (See related article on page 57).