has developed a new battery manufacturing technique which can cut charge time from hours to minutes. CThe way current li-on batteries are made, they have conductors feeding the charge-holding particles held within the cell. The problem is that the charge is deposited from the outside in, as the charge-holding section in the middle isn't directly exposed to any current. CThe new technique. though, developed by researchers at the Ulsan National Institute of Science and Technology in South Korea, makes batteries that are densely interwoven with conductors, so the entire battery can start charging at the same time. CTo do that, the team place the cell material in a solution containing graphite, which causes carbon to permeate the materials. When carbonized, the result is "a dense network of conductors throughout the electrodes of the battery". CIn tests, the team has shown that running conductors through the battery in this way produces cells which can can be recharged between 30 and 120 times faster than normal li-on batteries. The results are published in Angewandte Chemie. COf course, pumping extra content inside the battery either reduces capacity or increases size slightlyâÇKbut then, that's probably worth

often take an awful long time to charge. Now, though, a team of researchers