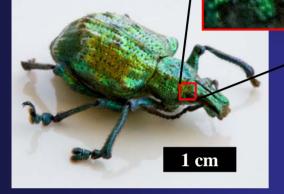
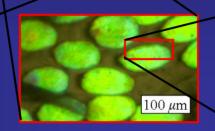
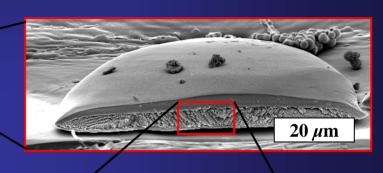


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By applying a newly developed highresolution 3D structure evaluation method based on focused ion beam milling, SEM imaging, and theoretical modeling, we discovered a diamond-based photonic crystal structure - a structure that does not exist artificially - in beetle scales. Diamond-based structures known as the champion photonic crystal morphologies and promise potential for efficiencygreat enhanced solar energy conversion.

