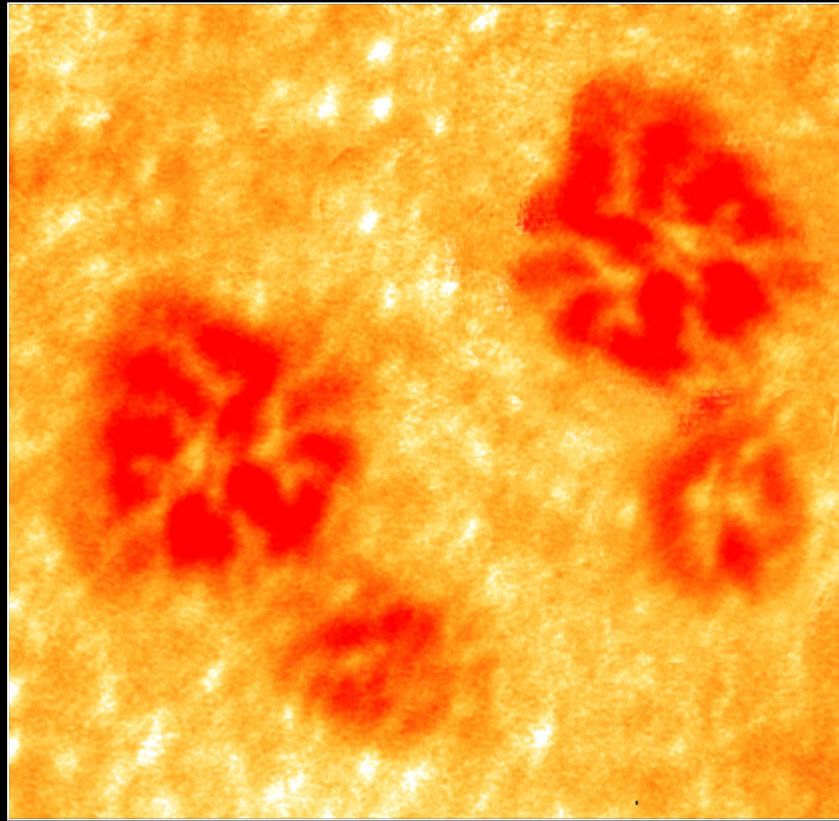


# Small Bigfoot

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Carbon dendritic nanostructure synthesized on a silicon substrate by plasma-enhanced chemical vapor deposition (PECVD) method. Nickel nanoparticles prepared in glow-discharge plasma by patented method of multiple magnetization-depositions were used as a catalyst. The image is obtained with an optical profiler (interference microscope) Wyko NT9300 (Bruker, Germany) using a phase shifting interferometry mode. Lateral magnification makes 101 $\times$ , scan sizes are 40 $\times$ 40  $\mu\text{m}$ , height range is 9 nm. The sample was prepared at Diamond System in the Institute of Physical Problems named after F. V. Lukin. The measurements were carried out at the Moscow Institute of Electronic Technology. The author is grateful to software developer Oleg E. Lyapin for help in preparation of this artwork.

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