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# **UCLA Scientists Demonstrate First Silicon Laser**

“This development shows that despite popular belief, a laser can indeed be made on a silicon chip,’ said Bahram Jalali, professor of electrical engineering at the UCLA Henry Samueli School of Engineering and Applied Science, who

led the research team.”

“The UCLA researchers exploited several *properties of silicon in order to successfully demonstrate their silicon laser device.* “

“*According to the researchers, the silicon laser exhibits nearly ideal characteristics and is already producing pulsed radiation with a very high peak power of one watt. Pulsed operation is needed in many detection and communication systems.*”