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## COMPOUNDSEMI NEWS

September 5, 2006

### Researchers Propose Solution to Account for Blue LED Brightness

LIGHTimes Staff

September 5, 2006...Shuji Nakamura, the man we refer to as the blue LED breakthrough artist, is a coauthor of a journal article in the October issue of Nature Materials. The article describes why blue LEDs (made of indium gallium nitride) are significantly brighter than some of the material models predict. Despite having a higher defect density than should be able to produce the blue light which is emitted according to some models, layers of InGaN manage to emit more light than expected. While blue LEDs have been a huge commercial success, the cause of the greater than predicted light brightness has not been understood...

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