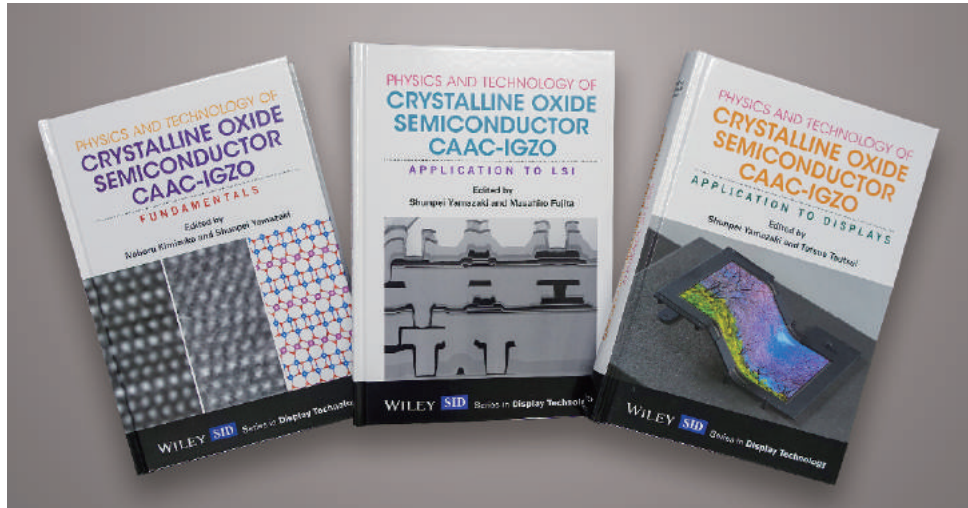


# Book Announcement

Three books edited by Dr. Shunpei Yamazaki, President of Semiconductor Energy Laboratory Co., Ltd., were published from John Wiley & Sons, Inc., a global, an academic publishing company. The three volumes (1,152 pages in total) elaborate on crystalline oxide semiconductor CAAC-IGZO – a research theme to which we have devoted ourselves – in terms of its fundamental physics and application to LSI and Displays. We hope these books would help the readers to better understand this technology.



Physics and Technology of Crystalline Oxide Semiconductor CAAC-IGZO		
Fundamentals (left)	Application to LSI (middle)	Application to Displays (right)
<p>Editors : Noboru Kimizuka, Shunpei Yamazaki</p> <p>Publisher : John Wiley &amp; Sons</p> <p>Publication year : 2017</p> <p>Price : \$130.00, 344 pages</p> <p>ISBN : 978-1119247401</p> <hr/> <p>CAAC-IGZO transistors realize low-power-consumption devices with their extremely low off-state current on the order of <math>10^{-24}</math> A/<math>\mu</math>m. <i>Fundamentals</i> mainly describes structures and physical properties of IGZO and device characteristics.</p>	<p>Editors : Shunpei Yamazaki, Masahiro Fujita</p> <p>Publisher : John Wiley &amp; Sons</p> <p>Publication year : 2017</p> <p>Price : \$130.00, 376 pages</p> <p>ISBN : 978-1119247340</p> <hr/> <p>The unique CAAC-IGZO transistor characteristics realize super low-power-consumption devices. <i>Application to LSI</i> introduces the applications to integrated circuits of memory devices such as NOSRAM, which do not deteriorate in principle, and low-power consumption CPU.</p>	<p>Editors : Shunpei Yamazaki, Tetsuo Tsutsui</p> <p>Publisher : John Wiley &amp; Sons</p> <p>Publication year : 2017</p> <p>Price : \$130.00, 432 pages</p> <p>ISBN : 978-1119247456</p> <hr/> <p><i>Application to Displays</i> explains the process and circuit technologies for the development of OLED and liquid crystal displays. It introduces the technology to improve the characteristics of organic EL devices and flexible displays applicable to various forms.</p>

※Printed books and ebooks are available for purchase at the following websites. Please visit  
John Wiley & Sons: <https://www.wiley.com/en-jp/search?pq=caac%20igzo%7Crelevance>

Amazon: <https://www.amazon.com>