

Editorial

I am very glad to announce that we publish the special issue of “Compound Semiconductor” in this month. There are too many important and interesting issues in compound semiconductor area. Recently, there has been tremendous growth of telecommunication technologies. These require high speed digital and analog circuits as well as optical devices. Therefore, in this issue, we put special emphasis on high speed optical and microwave communication devices and circuits.

We have carefully chosen topics related to the above discussions. It includes three papers on semiconductor processing technologies for GaAs, GaN and SiC devices. Also are included two papers on high-speed three terminal device processing such as 40 nm PHEMT and high speed InP based HBT, which are essential in the microwave and millimeter wave frequencies. Two papers are on the important microwave amplifiers including broadband amplifier and power amplifier for mobile handsets, which are utilizing the advantages of compound semiconductor technologies.

I thank all authors for paper submission and sharing research progress with us.

Songcheol Hong
Editor of this special issue