

# Remarks for Special Issue on Electronic Devices

On behalf of all of us at NEC, we would like to express our appreciation for your support and encouragement for our products, solutions and services.

In this special issue of NEC Technical Journal, we would like to put the spotlight on the state of NEC Group's development of electronic devices and introduce the research and development activities of two of our group companies engaged in electronic device manufacturing: NEC Electronics and NEC TOKIN.

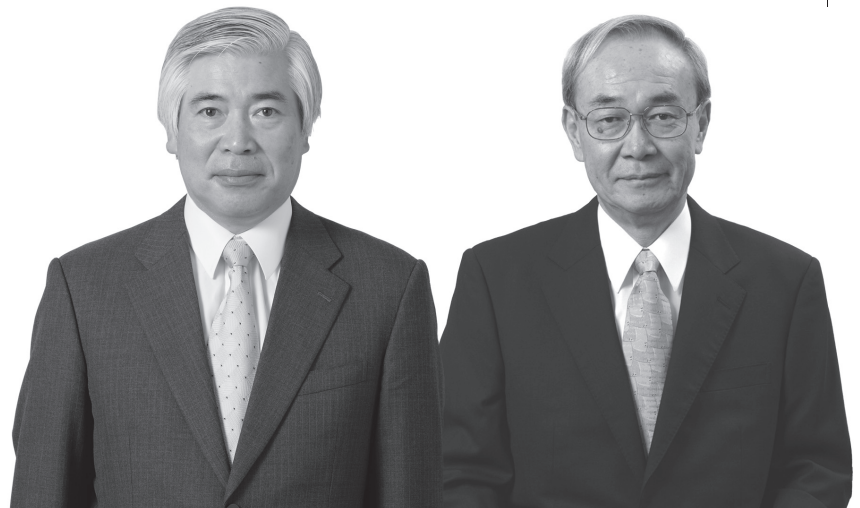
Information and communication technologies as typified by the Internet have dramatically transformed our daily lives and have become a powerful engine driving both the growth of the economy and society toward a new era. At the same time, concern about environmental issues such as energy, the environment and resources is on the rise, while ways to make society safer, more secure and more comfortable are under study on a global scale. In this constantly evolving world in which we live, needs related to electronic devices grow increasingly diversified and sophisticated.

In the field of semiconductors, system LSI performance trends higher and boasts expanded multi-functionality while market forces continue to drive costs lower and demand ever shorter development cycles. Also while responding to heightened social consciousness of eco-friendliness and product safety, it has become increasingly important to realize products that deliver lower power consumption, higher quality and exceptional reliability. Providing customers mainly in the fields of automobiles, industrial products and consumer electronics with a stable supply of high-quality, high-performance products, NEC Electronics constantly strives to not only satisfy but also exceed the expectations of our customers and society at large for reliability. We pursue three main areas of business: SoC (System on Chip), Microcomputers, and Discrete Devices & ICs. In each area, the company is engaged in the entire process from development to manufacturing and support. The tight integration between development and manufacturing provides a solid foundation for the pursuit of lower power consumption and enhanced product quality as well as reduction of the cycle time from development to delivery of the final product. While swiftly responding to customer needs with a high degree of quality and sophistication, the company also aims at making more environmentally friendly products a reality.

The field of electronic devices is a constant quest for higher performance in more compact packages, low voltage/high current and other advances that realize improved device performance, while answering the strong demand for eco-friendly products, product safety and reliability. With a focus on “Device Creation Company Originating from Innovative Materials”, NEC TOKIN aims at creating key devices that tap the power of its advances in material technology. Accordingly, the business is driven by core technologies that use its original development of highly advanced materials and device manufacturing. Bringing high-functional devices to market faster than the competitors, NEC TOKIN has set its sights on providing customers with essential solutions to the 3 key issues of "Energy," "Noise & Power" and "Access," thereby contributing to the development of the market and the advance of society as a whole. In the future, the company will continue to offer innovative solutions through its development and commercialization of cutting-edge devices that respond to energy saving, the environment and other issues of growing global concern.

This special issue will report on the latest technological advances in the respective domains of both companies. The creation of new products is the most indispensable factor contributing to corporate growth, and both companies are committed to moving forward, fueled by ceaseless research and development. After reading this issue, it is our earnest hope that you will have a better understanding and appreciation of the leading edge products and devices coming out of these two companies and the solutions that we can provide.

Working in even closer collaboration with our sister companies in the NEC Group, NEC Electronics and NEC TOKIN will answer the needs of customers and the market with the timely release of innovative key devices while always keeping an eye on how our efforts can contribute to better society and the world at large. We look forward to your continued support and encouragement as open new frontiers in electronic device technology.



**NAKAJIMA Toshio**  
President,  
NEC Electronics Corporation

**OKABE Masakazu**  
President,  
NEC TOKIN Corporation