

From JPNIC

Dear Readers,

On September 19, 2017, the Internet Society announced fourteen people as inductees to the Internet Hall of Fame. We are delighted and proud that Prof. Shigeki Goto of Waseda University, who serves as President and Chair of the Board of Trustees of JPNIC, has been selected as one of the inductees as a Global Connector. The category of Global Connectors recognizes and celebrates individuals from around the world who have made significant contributions to the global growth and use of the Internet. Prof. Goto has taken a leading role in expanding the global Internet infrastructure particularly for the academic network and International Domain Name and for the Asia Pacific region. Under the leadership of President Goto, JPNIC keeps contributing to the Internet both domestically and globally.

Let us briefly introduce the contents of this newsletter as follows.

- Special Article 1 features the Resource PKI (RPKI) system cooperation between APNIC and JPNIC which has made it possible to verify routing information in Japan from overseas. This collaboration has greatly improved convenience of certificate verification using APNIC's trust anchor. RPKI is a part of authentication infrastructure that certifies holders of number resources such as IP addresses and AS numbers. In addition, it plays a major role in improving the reliability of internet routing.

- Special Article 2 covers "Internet Week 2017". Internet Week is JPNIC's annual technical event for Internet infrastructure engineers. This year it will be held from November 28th to December 1st. More than 30 programs will be coordinated and provided by a number of Japanese Internet associations under this year's theme of "Face eye-to-eye the 'Global' Internet (向き合おう、'グローバル'インターネット)". Along with deepening knowledge about technology, Internet Week is the best opportunity to think about and understand the global characteristics of the Internet and the development of society.

- In "Prologue to the Internet: its Technologies and Services", this time the JP29-type-robot "Nic-kun"

and "Dr. Netson" of the Internet Institute will explain about TCP/IP, the protocol that has made it possible to communicate all over the world on the Internet. TCP/IP has been used for over 30 years, so they describe it from its birth to popularization and why it has spread so far.

- "Internet loves you" is a section that focuses on "a person" who is active in the Internet industry. This time, Mr. Masafumi Oe for the National Astronomical Observatory is introduced. What kind of relationship is there between the Astronomical Observatory and the Internet? It also takes note of Mr. Oe's spirit of taking on challenges, non-straightforward career and influence on other people.

- For "Introducing JPNIC members", we visited KDDI Web Communications Co., Ltd. They started providing rental server services in 1997 and are well-established as a unique web service provider as well. Their uniqueness is not limited to their services. They also have an ambitious attempt to adopt and admit geo-free-workplace for their employees and provide a platform by actively collaborating with other companies' services for small and medium enterprises in rural areas which enable easy handling of IT.

- "Internet 10 Minutes Course" covers VPNs (Virtual Private Networks), which enable private networks using encryption over a public network and which are attracting attention from security aspects. This time we explain what kinds and techniques are actually available and how they are used.

In addition, "Internet Topics", "JPNIC Activity Report", "Statistics" etc., which cover the past several months, are also delivered.

This newsletter, which was largely updated in terms of its design and its sections in the previous issue, has received a positive response from our readers as well. Have you noticed another big change in this issue? We have made the newsletter full color from this issue! If you have any comments or feedback, feel free to contact us at jpnic-news@nic.ad.jp. Your comments are always welcome.