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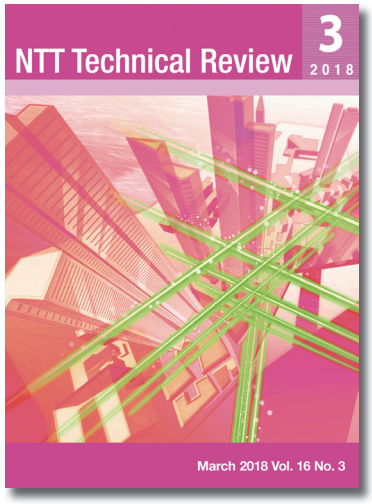
https://www.ntt-review.jp/archive/2018/201803.html



Feature Articles
Research and Development in Sports Brain Science

Regular Articles

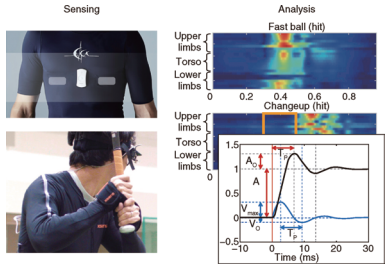
Global Standardization Activities

Feature Articles
Research and Development in Sports Brain Science

Understanding and Shaping the Athlete's Brain—NTT Sports Brain Science Project—

▼Abstract

In sports, a variety of brain functions hold the key to winning, such as grasping current conditions, strategizing against one's opponent, and making instantaneous decisions under pressure. Most of these functions, however, are *implicit* brain functions that the athlete is not even aware of. The NTT Sports Brain Science project was established in January 2017 to conduct research with the aim of understanding superior implicit brain functions in top athletes, identifying the factors in winning, and improving the performance of athletes based on research findings.

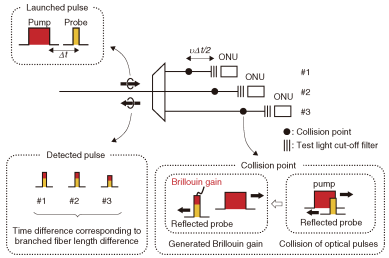


Regular Articles

Branched Optical Fiber Loss Measurement Technology for End-to-end Testing in Optical Access Networks

▼Abstract

We have developed branched optical fiber loss measurement technology that enables us to measure branched fiber sections beyond optical splitters from a central office without entering the customer's premises. This article provides an overview of the developed technology and its application to the operation and maintenance of optical access networks.



High Precision 12-single-mode-fiber Multi-fiber Push-on Connector for Reference Use in Connector Inspection

▼Abstract

The data transfer speed between data communication equipment in datacenters has been increasing in recent years, and the use of multi-fiber optical links for the communication wiring in such buildings is expanding. In particular, the 12-fiber multi-fiber push-on (MPO) connector for single-mode fiber is expected to be widely used in the future, but an accurate evaluation method is necessary for its proper procurement. We introduce the high precision 12-fiber MPO connector developed as a reference for MPO connector evaluation.