特集「ひので」プロジェクト

太陽観測衛星「ひので」の発見ラッシュが続いている。長年にわたる研究開発と人材育成、そして大規模な国際協力によって実った成果だ。「ひので」が見た新たな太陽像、映像を活用した新しいスタイルの研究、観測データの即時公開、科学館・博物館と連携したアウトリーチ活動などの先進的な試みと、次期観測計画を紹介する。

Feature *The Hinode Project*
The Hinode solar observation satellite is continuing to make a large number of discoveries that are revolutionizing our understand of the Sun. The mission's success is the product of many years dedicated to assimilation of human resources, instrument planning and development, and large-scale international cooperation. This issue provides an overview of Hinode's latest studies of the Sun. Also discussed are new research methods using movies, the Hinode team's policy of immediately releasing newly-acquired observational data to the world's researchers, extensive outreach activities conducted in conjunction with scientific and general museums, and the next stage in satellite observations of the Sun.

SOKENDAI先端研究
人間は顔をどのように認識しているのか

私たちは相手の顔を素早く認識し、視線や表情からさまざまな情報を得ている。そのメカニズムを探るため、学際的な研究が進められている。なかでも、脳の活動を非侵襲で調べる新しい手法によって、顔認知中枢の部位や、視線が動くときの活動部位などがわかってきた。

Advanced Research at SOKENDAI
How do humans recognize each other's faces?
We rapidly recognize other people's faces, and obtain an array of information from their line of sight and facial expressions. Interdisciplinary research is underway to take a closer look at this mechanism. Non-invasive methods of investigating the activities of the human brain have helped us to find out the location of the facial recognition center, and the area of the brain that is active when lines of sight shift.