

## Editorial Overview of Issue 8

April 20, 2009. This issue of ESNF contains interesting “firsts “. One is the article ST-113 by May *et al.* on the first superconducting sub-millimeter wavelength camera for astronomy (SABOCA) conceived and developed entirely in Europe. Its readout includes, to our knowledge, another “first”: a SQIF (superconducting quantum interference filter) amplifier device. Still another “first” is the subject of article ST-114 by Espy *et al.* of Los Alamos National Laboratory (USA), who demonstrated a promising low-field NMR system for explosive liquids detection in an airport setting.

The critical review by Braginski and Donaldson (CR12-I) is devoted to SQUID activities in Europe. This first part of the overview provides a concise historical overview and then concentrates on SQUID devices. In one of the following issues, we expect to publish Part II, where SQUID applications will be reviewed. A related Regional News article by Schurig and Trahms (RN-9) describes the status of SQUID device- and application-related work at PTB-Berlin, the German National Metrology Institute. Another Regional News article by de Rijk (RN-10) presents the new European particle accelerator project EuCARD, specifically its high-field magnet “work package”, which was inaugurated on April 1st, 2009.

In the future we intend to report on its progress.