Distributed Sensor Networks - Current Projects and Research Perspectives

Data fusion engines have actually evolved into the status of a key technology providing the link between massive data streams from heterogeneous data sources and the need of comprehensive situational awareness. Nevertheless, much more defence R&D is still to be done here. In the end, however, users wish to act for reaching certain goals. For this reason and based on advanced data fusion technologies, automated or semi-automated resources management systems play an ever growing role in numerous applications. Basically all resources, for example sensor, platform, effector, or communications resources, are nearly always sparse. The talk provides an overall overview from the author's personal perspective and discusses related research questions to be solved as well as examples from ongoing projects and perspectives in this area.