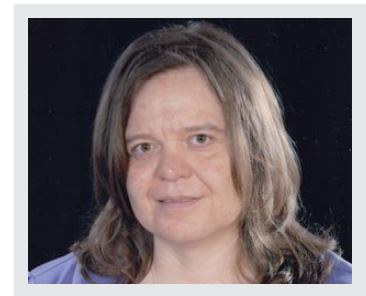


## Foreword about Marie Richterova, member of the Department of Communication and Information Systems, University of Defence, Czech Republic:

Marie Richterova was born in Vyskov, 1965. In 1989 she graduated at the Faculty of Electro Engineering Technical University in Brno in branch Electrotechnology. The scientific degree Ph.D. she obtained in the year 2002 at the Military Academy in Brno. In 2009 she became the associate professor at the Department of Communication and Information Systems, University of Defence. Her specialties are modulation recognition, special signal analysis and methods of pre-processing. She has authored/co-authored several refereed journal/conference papers.



Marie Richterova

The modulation recognition including spectral methods of the signal analysis is an attractive scientific field from the point of view of civil and military engineering applications. The transmission of modulated signals by the radio channel brings many important problems. Methods and techniques of the modulation recognition allow effective monitoring of radio equipments to detect possible interference from other radio sources. The modulation recognition increases the reliability of communication systems to ensure the electromagnetic compatibility of radio communications. The development of modern radio communication technologies serves as an another impulse for research in this area.

There are two ways in the development on the field of the modulation recognition. The first, the search of suitable algorithms for pre-processing of modulated signals to reduce the noise level to allow the automatic modulation recognition. The second, the automatic modulation recognition by way cascade classifiers using different methods of classification.