## TABLE OF CONTENTS

EDITORIAL	1
Lara Pajewski	
Preface	III
Lara Pajewski	
SCIENTIFIC PAPERS	1
GPR system performance compliance according to COST Action TU1208 guidelines	2
Lara Pajewski (Italy), Milan Vrtunski (Serbia), Željko Bugarinović (Serbia), Aleksandar Ristić (Serbia), Miro Govedarica (Serbia), Audrey van der Wielen (Belgium), Colette Grégoire (Belgium), Carl Van Geem (Belgium), Xavier Dérobert (France), Vladislav Borecky (Czech Republic), Salih Serkan Artagan (Turkey), Simona Fontul (Portugal), Vânia Marecos (Portugal) & Sébastien Lambot (Belgium)	
Frequency domain deterministic-stochastic analysis of the transient current induced along a ground penetrating radar dipole antenna over a lossy half-space	37
Anna Šušnjara (Croatia), Dragan Poljak (Croatia), Vicko Dorić (Croatia), Sébastien Lalléchère (France), Khalil El Khamlichi Drissi (France), Pierre Bonnet (France) & Françoise Paladian (France)	
Electromagnetic modelling and simulation of a high-frequency Ground Penetrating Radar antenna over a concrete cell with steel rods	52
Alessio Ventura (Italy) & Lara Pajewski (Italy)	

GPR research in Wojanów railway tunnel, Sudetes Mts., Poland	71
Adam Szynkiewicz (Poland)	
Model-based clutter reduction method for forward looking Ground Penetrating Radar imaging	96
Yukinori Fuse (United States of America), Borja Gonzalez-Valdes (Spain), Jose A. Martinez-Lorenzo (United States of America) & Carey M. Rappaport (United States of America)	30
False alarm reduction by target tracking for Forward Looking Ground Penetrating Radar Yukinori Fuse (United States of America), Masoud Rostami (United States of America), Borja Gonzalez-Valdes (Spain) & Carey M. Rappaport (United States of America)	113
Table of Contents	133
News & Announcements	135