

Contents

- 3 *Editorial*
- 5 ŁUKASZ NOWAK, TOMASZ G. ZIELIŃSKI, MIROSLAW MEISSNER, *Active vibroacoustic control of plate structures with arbitrary boundary conditions*
- 11 GRZEGORZ KNOR, *Numerical simulations of hardening and cooling of the early-age concrete*
- 19 PAWEŁ NAKIELSKI, TOMASZ KOWALCZYK, TOMASZ A. KOWALEWSKI, *Drug delivery system based on polymer nanofibers*
- 25 MACIEJ GŁOWACKI, JANUSZ ORKISZ, *Advances in development of dedicated evolutionary algorithms for large non-linear constrained optimization problems*
- 31 MACIEJ MICHAJŁOW, TOMASZ SZOLC, *Semi-active suboptimal control strategy applied to periodically vibrating mechanical systems*
- 37 GRZEGORZ SUWAŁA, JAN BICZYK, ŁUKASZ JANKOWSKI, *Nonparametric identification of added masses in frequency domain: a numerical study*
- 43 RAFAŁ WISZOWATY, JAN BICZYK, *Piezoelectric valve for controlled pneumatic shock absorber*
- 49 *Doctoral Study Programme*