

Issued with the consent of the Rector

**Editor in Chief**  
**Publishing House of Rzeszow University of Technology**  
Grzegorz OSTASZ

**Composition of the Scientific Papers Council**  
**of the Faculty of Management of Rzeszow University of Technology**  
**„Modern Management Review”**

Stanisław GĘDEK – chairman (Poland)  
Joanna WIAŻEWICZ – editorial assistant (Poland)

**members:**

Gerhard BANSE (Germany), Joe BOGUE (Ireland), Gérard Kokou DOKOU (France)  
Andriy GERASYMCHUK (Ukraine), Aleš GREGAR (the Czech Republic)  
Danuta HÜBNER (Poland), Andrzej KALETA (Poland), Jerzy KISIELNICKI (Poland)  
Dušan MALINDŽÁK (Slovakia), Johan van OPHEM (Holland)  
Aleksandr RAZIN (Russia), Sergej SERIOGIN (Ukraine), Antonio STASI (Italia)  
Róbert ŠTEFKO (Slovakia), Josu TAKALA (Finland), Tamara TKACH (Ukraine)  
Karsten WEBER (Germany), Gabriel WEISS (Slovakia), Leszek WOŹNIAK (Poland)

**Editor in Chief**  
Stanisław GĘDEK (Poland)

**Editorial Committee (Thematic editors)**  
Andrzej GAZDA (Poland), Igor LIBERKO (Poland), Zhanna POPLAVSKA (Poland)  
Janusz STROJNY (Poland) Mirosław ŚMIESZEK (Poland), Leszek WOŹNIAK (Poland)

**Statistical editor**  
Paweł HYDZIK (Poland)

**Members of editorial staff**  
Agata GIERCZAK (Poland), Grzegorz LEW (Poland)  
Paweł PERZ (Poland), Justyna STECKO (Poland), Dariusz WYRWA (Poland)  
Beata ZATWARNICKA-MADURA (Poland)

**Volume editor**  
Mirosław SOŁTYSIAK

**Language editors**  
Glyn David GRIFFITHS (The United Kingdom), Tatiana GUGNINA (Poland)  
Alewtina ŁAWRINIENKO (Russia), Ruth MALOSZEK (Germany)  
Magdalena REJMAN-ZIENTEK (Poland), Piotr CYREK (Poland)

**Project of the cover**  
Damian GĘBAROWSKI

The printed version of the Journal is an original version.

p-ISSN 2300-6366  
e-ISSN 2353-0758

Publisher: Publishing House of Rzeszow University of Technology  
12 Powstańców Warszawy Ave., 35-959 Rzeszow (e-mail: [oficyna@prz.edu.pl](mailto:oficyna@prz.edu.pl))  
<http://oficyna.prz.edu.pl>

Editorial Office: Rzeszow University of Technology, The Faculty of Management,  
10 Powstańców Warszawy Ave., 35-959 Rzeszów, phone: +48 17 8651383, e-mail: [kwart\\_wz@prz.edu.pl](mailto:kwart_wz@prz.edu.pl)  
<http://mmr.prz.edu.pl/>

Additional information and an imprint – p. 183