

TRANSACTIONS

of FAMENA

Contents

Optimization of Combined Brayton-Rankine Cycle With Respect to the Total Thermal Efficiency	
Martina Rauch, Antun Galović, Zdravko Virag	1
Exergoeconomic Analysis of the Potential Exploitation of Condensation Water Vapor Waste Heat in a Thermal Power Plant Using Heat Pumps	
Dušan Strušnik, Jurij Avsec	11
Application of Alternative Technologies in Combination with Nuclear Energy	
Jurij Avsec, Urška Novosel	23
Mathematical Model of Complete Vapor Compression Refrigeration System with Helical Coil Evaporator Flooded in the Water	
Zvonimir Janković, Ivana Matić, Marija Živić	33
Dynamic Method for Calculating Energy Need in HVAC Systems	
Ivan Horvat, Damir Dović	47
Photovoltaic Panels: A Review of the Cooling Techniques	
Filip Grubišić-Čabo, Sandro Nižetić, Giuseppe Marco Tina	63
A Comparative Study of Evolutionary and Search Algorithms for Optimization of Heat Exchanger with Microchannel Coil	
Vladimir Glažar, Marko Perčić, Gordana Marunić, Bernard Frankoivć	75
Analysis of Water Vapor Condensation Models at High Mass Flux Densities Inside Helical Tubes	
Josip Pasanec, Nenad Ferdelji	85

Regarding the English language, no corrections have been made and the papers are printed as received from the authors and the organizers of the symposium.

President of the Scientific committee of the symposium