

**PAPERS**

- 5 **Evaluation of human thorax FE model in various impact scenarios**  
Jansová M., Hynčík L., Čechová H., Toczyski J., Gierczycka-Zbrozek D., Baudrit P.
- 21 **Modelling of flexi-coil springs with rubber-metal pads in a locomotive running gear**  
Michálek T., Zelenka J.
- 31 **Blade couple with dry friction connection**  
Půst L., Pešek L., Radolfová A.
- 41 **Frontal impact response of a virtual low percentile six years old human thorax developed by automatic down-scaling**  
Špička J., Maňas J., Hynčík L.
- 49 **Optimization of plated steel beams using metamodels and modern optimization methods**  
Šťastný A.
- 67 **Wall heat transfer in gas-fired furnaces: Effect of radiation modelling**  
Vondál J., Hájek J.
- 79 **Aerodynamic loading acting on the stator vane in the variable nozzle turbine flow**  
Žatko M.