

**PROPOSTA DI ISTITUZIONE DEL CORSO DI DOTTORATO IN  
INGEGNERIA ELETTRONICA, INFORMATICA ED ELETTRICA**

**CICLO 33**

**Produzione scientifica dei membri del collegio dal 2012 al 2016: vengono riportate per ciascuno le (max) 5  
pubblicazioni ritenute più significative ricomprese nelle tipologie VQR**

**Prof. Slawomir Wiak**

Wiak, S., Firych-Nowacka, A., Di Barba, P., Slusarek, B.  
Comparative study of 3-D computer models of RF ablation probes  
(2016) International Journal of Applied Electromagnetics and Mechanics, 51 (s1), pp. S49-S56.  
DOI: 10.3233/JAE-2007 - DOCUMENT TYPE: Conference Paper

Bartosik, M., Wiak, S.  
Multi-annual Program "by Railway to the 21st Century" as Key Factor in the Development of Rail Transport in Poland  
(2016) Transportation Research Procedia, 14, pp. 518-527.  
DOI: 10.1016/j.trpro.2016.05.107 - DOCUMENT TYPE: Conference Paper

Barba, P.D., Wiak, S.  
Evolutionary Computing and Optimal Design of MEMS  
(2015) IEEE/ASME Transactions on Mechatronics, z art. no. 6880842, pp. 1660-1667. Cited 2 times.  
DOI: 10.1109/TMECH.2014.2343241 - DOCUMENT TYPE: Article

Raniszewski, G., Miaskowski, A., Wiak, S.  
The Application of Carbon Nanotubes in Magnetic Fluid Hyperthermia  
(2015) Journal of Nanomaterials, 2015, art. no. 527652  
DOI: 10.1155/2015/527652 - DOCUMENT TYPE: Article

Di Barba, P., Savini, A., Wiak, S.  
Minimizing design criterion and sensitivity: Cost-effective evolutionary approach with application in mechatronics  
(2014) International Journal of Applied Electromagnetics and Mechanics, 46 (2), pp. 335-340.  
DOI: 10.3233/JAE-141942 - DOCUMENT TYPE: Conference Paper