



## MIHAI LUCANU

Profesor dr. ing., profesor consultant

Catedra de  
Membru IEEE

[Electronica aplicată și sisteme inteligente](#)

**Contact**  
**Cursuri predate**  
Conducere doctorat

[Email](#) | Pagina personală | Telefon: 0232 213737, int. 208

**Domenii de interes**  
Convertoare de putere  
Electronica industrială

**Publicații selectate** [1] Lucanu M., Neacsu D., "Optimization of the Control of a Single-Phase Inverter for a Three-Phase Inverter", *IEEE Transactions on Industrial Electronics*, vol. 55, no. 5, pp. 1111-1118, 2008.  
[2] Neacsu D., Donescu T., Stoica A., "A New Approach for the Control of a Single-Phase Inverter", *IEEE Transactions on Industrial Electronics*, vol. 55, no. 5, pp. 1119-1126, 2008.  
[3] Cretu E., Cretu A., Lucanu M., "Modeling of the Nonlinearities in the Control of a Single-Phase Inverter", *IEEE Transactions on Industrial Electronics*, vol. 55, no. 5, pp. 1127-1134, 2008.  
[4] Lucanu M., Neacsu D., "Optimization of the Control of a Single-Phase Inverter for a Three-Phase Inverter", *IEEE Transactions on Industrial Electronics*, vol. 55, no. 5, pp. 1111-1118, 2008.  
[5] Galea C., Lucanu M., "A New Approach for the Control of a Single-Phase Inverter", *IEEE Transactions on Industrial Electronics*, vol. 55, no. 5, pp. 1119-1126, 2008.

### Alte activități

Membru al *IEEE Industrial Electronics Society*

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