



**TEMATICĂ PENTRU ADMITEREA LA
STUDII UNIVERSITARE DE DOCTORAT**

**SDSI – Domeniul Inginerie Electrică
Prof.univ.dr. Horia Leonard ANDREI**

A. PROPUNERI:

1. *Aplicatii ale principiului minimului puterii absorbite in studiul circuitelor electrice liniare.*
2. *Aplicatii ale principiului minimului energiei absorbite in studiul circuitelor magnetice liniare.*
3. *Modelarea si optimizarea consumurilor energetice in industria apei*
4. *Contributii privind analiza si modelarea performantelor echipamentelor electrice utilizate in masurarea si transmiterea biosemnalelor.*
5. *Modelarea si optimizarea consumurilor energetice in sectorul rezidential*
6. *Metode si modele matematice de analiza a performantelor sistemelor fotovoltaice.*

B. BIBLIOGRAFIE SELECTIVĂ:

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STUDII UNIVERSITARE DE DOCTORAT**

SDSI – Domeniul Inginerie Electrică

Prof.univ.dr.ing. COLȚUC Dinu

A. PROPUNERI:

1. Contributii la dezvoltarea tehnicilor de marcare reversibila de mare capacitate
2. Contributii la dezvoltarea algoritmilor de marcare reversibila cu distorsiuni reduse
3. Algoritmi pentru prelucrarea imaginilor

B. BIBLIOGRAFIE SELECTIVĂ:

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**TEMATICĂ PENTRU ADMITEREA LA STUDII
UNIVERSITARE DE DOCTORAT
SDSI – Domeniul Inginerie Electrică
Prof.univ.dr.ing. Valentin DOGARU ULIERU**

A. PROPUNERI:

1. Sisteme informatice de măsurare
2. Instrumentație virtuală
3. Sisteme de măsurare și senzori

B. BIBLIOGRAFIE SELECTIVĂ:

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SDSI – Domeniul Inginerie Electrică
Prof.univ.dr.ing. VASILE Nicolae**

PROPUNERI:

1. COMPONENTE ELECTRICE PENTRU SURSE REGENERABILE DE ENERGIE

Bibliografie:

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2. COMPONENTE ELECTRICE PENTRU ÎMBUNĂTĂȚIREA EFICIENȚEI ENERGETICE

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