

LISTA DE LUCRĂRI -Prof. dr. ing. FLORIN CONSTANTINESCU

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E. CONTRACTE DE CERCETARE (DIRECTOR)

1. Modele neliniare de câmp și de circuit pentru rezonatoarele BAW de putere, proiect IDEI finanțat de Consiliul Național al Cercetării Științifice din Învățământul Superior, (2009-2011) 400000 RON.
2. MOBILIS -Mixed SiP and SoC Integration of Power BAW Filters for Digital Wireless Transmissions (FP6), Director of the Politehnica University team, 2006-2009, 121500 EURO.
3. Simularea eficiența a circuitelor integrate neliniare de RF, beneficiar Consiliul Național al Cercetării Științifice din Învățământul Superior, 2005-2007. 25000 RON.

4. Simularea circuitelor neliniare de radiofrecventa utilizand doua variabile temporale”, Tema 7, Cod CNCSIS : 416, 2002-2004. 150.000 mii ROL.
5. Metode simbolice de invatare in ingineria electrica si electronica, Proiect pilot finantat de Banca Mondiala si Guvernul Romaniei, 1999-2002 (72.000 USD).
6. Metode noi de simulare eficienta a circuitelor neliniare de radiofrecventa, Tema nr. 71, cod CNCSU 829, beneficiar Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, 1999-2000.
7. Algoritm si program de simulare a circuitelor integrate de radiofrecventa, Contract ANSTI, Tema B40, 1999.
8. Metode simbolice si numerice pentru determinarea frecventelor proprii ale sistemelor liniare, Contract 3042/ Tema B7, Beneficiar; Academia Romana, 1997-2000.
9. Metode simbolice pentru analiza si proiectarea circuitelor analogice. Grant CNCSU, Contract nr. 4001-b/ Tema 126, 1995-1996.
10. Regimul periodic permanent al circuitelor trifazate neliniare. Faza II: Elaborarea programelor de calcul. Contract cu Ministerul Invatamantului, 1994.
11. Regimul periodic permanent al circuitelor trifazate neliniare. Faza I: Metode de calcul al regimului periodic permanent in circuitele neliniare. Contract cu Ministerul Invatamantului, 1993.
12. Sistem de lectii asistate de calculator pentru lucrarile de laborator la disciplina "Masurari electrice si electronice". Contract cu Institutul de Tehnica de Calcul si Informatica, 1988 (contract 321/1988).
13. Calculul cimpului magnetic in aparatele de masura magnetoelectrice. Catedra de Electrotehnica I, 1979-1980 (contract 38/1980).
14. Calculul senzitivitatilor in circuitele electronice cu aplicatii la determinarea tolerantelor componentelor etajului amplificator de videofrecventa din televizorul portabil. Catedra de Electrotehnica I, 1976 (contract 75/1976).
15. Metoda de calcul al circuitelor neliniare in regim tranzitoriu cu aplicatii la studiul detectorului de videofrecventa din receptoarele de TV. Catedra de electrotehnica I, 1976 (contract 74/1976).
16. Metode de calcul pentru retelele de conducte si canale. Laboratorul de hidraulica din I.P.B., 1972.
17. Model analogic pentru retelele de alimentare cu apa. Centrul de Cercetari Hidraulice, 1971.
18. Tranzistormetru portabil: studiu tehnico-economic si studiu de laborator. Institutul de Cercetari Electronice, 1969.

CONTRACTE DE CERCETARE (PARTICIPANT)

1. Traectorii in camp electromagnetic, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
2. Metode noi de diagnosticare a defectelor in circuitele analogice, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
3. Metode noi de analiza a circuitelor in domeniul timpului si in domeniul frecventei, proiect IDEI finantat de Consiliul National al Cercetarii Stiintifice din Invatamantul Superior, (2009-2011).
4. Sinteza modelelor comportamentale de circuit ale rezonatoarelor de putere cu unde acustice de volum pentru telefonie mobila, 2006-2008.
5. Metode simbolice noi pentru analiza si proiectarea circuitelor analogice integrate, Contract 33784/2002, Tema 24, CNCSIS 2002-2004.
6. Metode simbolice in proiectarea circuitelor analogice integrate de mica putere, Contract 33084/1999, Tema 66, CNCSIS.

7. Utilizarea calculului numeric al cimpului electromagnetic in cresterea performantelor produselor electrotehnice, Catedra de Electrotehnica, 1991.
8. Predeterminarea asistata de calculator a performantelor masinilor electrice, Catedra de Electrotehnica, 1989.
9. Bilantul electroenergetic la Intreprinderea "Munca Textila" Bucuresti. Catedra de Electrotehnica I, 1985-1987(contract 334/1984).
10. Rezolvarea problemelor de cimp magnetic stationar cu aplicatii la masinile electrice si separatoarele magnetice. Catedra de Electrotehnica I, 1985.
11. Analiza consumului de energie electrica la Intreprinderea de Osii si Boghiuri Bals (sectia otelarie). Catedra de Electrotehnica I, 1984 (contract 335/1983).
12. Bilantul electroenergetic al Intreprinderii de nutreturi combinate Bragadiru. Catedra de Electrotehnica I, 1982-1983 (contract 333/1983).
13. Determinarea performantelor si optimizarea caracteristicilor constructive ale separatoarelor magnetice. Proiectarea si realizarea unor prototipuri de separatoare magnetice. Catedra de Electrotehnica I, 1980 (faza I), 1981 (faza II) (contract 304/1980).
14. Studiul transmiterii supratensiunilor in transformatoare Catedra de Electrotehnica I, 1978-1979 (contracte 314/1978, 314A/1980).
15. Separatoare magnetice cu mai multe rotoare. Catedra de Electrotehnica I, 1979-1980 (contract 304/1980).
16. Separatoare magnetice pentru nisipuri aluvionare: calculul cimpului magnetic si al performantelor de separare. Catedra de Electrotehnica I, 1977-1978 (contracte 102/1977, 71/1978).
17. Studiul cimpului magnetic si al fenomenelor asociate in zona frontala a turbogeneratoarelor de mare putere. Catedra de Electrotehnica I, 1973-1978 (contracte 153/1973, 153/1974, 153/1975, 153/1976, 153/1977, 153/1978).

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