

LISTA DE LUCRĂRI

Profesor dr.ing. Kreindler Liviu Mario

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Vn - Volumele unor manifestări științifice naționale.

- Vn1.** D.Popa, L.Kreindler, Detection of Rotor Initial Position for a Permanent Magnet Synchronous Motor Drive, ATEE Symposium, Nov.2006
- Vn2.** Iulian Iacob, Augustin Ignat, Aurelian Sarca, Liviu Kreindler, "Multiple Axis Distributed Motion Control Solutions with Intelligent Drives, using CANopen Communication Protocol", ATEE Symposium, UPB, 2004
- Vn3.** Aurelian SARCA, Liviu KREINDLER, Adrian DAVID, and Iulia STIKA, "Delta Robot with Distributed Motion Control Intelligence", ATEE Symposium, UPB, 2004
- Vn4.** Radu Giuclea, Cristian Bogus, Liviu Kreindler, "Performances of sensorless control Methods of Permanent-Magnet Synchronous Motors", ATEE Symposium, UPB, 2002
- Vn5.** Ovidiu Man, Radu Seitan, Liviu Kreindler, "Advanced Real-Time Digital Motor Control Algorithms Based on the eXpressDSP□ Standard", ATEE Symposium, UPB, 2002
- Aurelian Sarca, Radu Giuclea, Liviu Kreindler, "Intelligent Digital Motion Control Applications Development and Analysis Tools", ATEE Symposium, UPB, 2002
- Vn6.** Liviu Kreindler, Aurelian Sarca, Radu Giuclea, "Advanced tools for digital motion control applications implementation", CNAE Conference, Galati, 10-11.Oct.2002
- Vn7.** Ovidiu Man, Liviu Kreindler, Răzvan Măgureanu, "Implementation of the eXpressDSP□ standard to real-time digital motor control algorithms", CNAE Conference, Galati, 10-11.Oct.2002

Vn8. L.Kreindler, R.Magureanu, R.Giuclea, "On-Line Identification of Stator Phase Voltage Third Harmonic used in Direct Field Orientation Controller", Proc. of The Eight Nat. Conf. of Electrical Drives, Iasi , sept. (1992)

Vn9. R.Magureanu, L.Kreindler, A.Sarca, "DSP Processor Control of a DC Motor Positioning System", Electrical Drives National Conference Proceedings, 1992, Iasi, Romania

V. BREVETE DE INVENȚIE / INOVAȚII SAU CREAȚII ARTISTICE (B,A)

B - Brevete de invenție.

B1. MODREANU N M, CARDEI V, AVRAMESCU V, CONDURACHE D, GREJDANESCU R, CASARU G, **KREINDLER L M**, SARCA A., brevet nr. RO127331-A0, 30 Apr 2012

B2. SCHOR VL., SCHOR D., SINDILA GHE., CIUBOTARU b.Ov., **KREINDLER L M**, brevet nr. RO126276-A0, 30 Mai 2011

A - Inovații sau creații artistice.

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VI. CONTRACTE ȘI RAPOARTE ȘTIINȚIFICE (P,F)

P – Proiecte de cercetare-dezvoltare – inovare obținute prin competiție, pe bază de contract/grant, în țară/străinătate (**Pn** – naționale, **Pi** - internaționale).

Pi1. FP6 - WaterwingPower - COOP-CT-2005-017941, contr. Nr. 181/26.08.2008 (2008-2011)

Pi2. Sistem laser 2D pentru procesarea materialelor - 2DLMP - Eureka - nr. 1085 (2012-2014)

Pn1. Sistem și metodologie pentru analiza biomecanicii și controlului neuromuscular al deplasărilor prin locomotie - SIMAM; proiect PDP, nr.reg. 1412 (2008-2010)

Pn2. Cercetări privind sisteme inteligente și ecologice de transport de suprafață bazate pe propulsie electrică și pila de combustie - SIETSPEC; P-CD; contr. 85/2006; (2006-2008)

Pn3. Sisteme modulare inteligente pentru acționări electrice de mică putere - SIMODIN, PNCDI-2-INOVARE

Pn4. SISTEM ECOLOGIC DE TRANSPORT INDIVIDUAL CU VEHICULE ELECTRICE USOARE, ADECVAT DEZVOLTĂRII DURABILE A CAMPUSULUI UNIVERSITĂȚII "POLITEHNICA" - ELECTROCAMBUS - program Parteneriate - nr.proiect 22-104 (2008-2011)

Pn5. SISTEM NOATIV DE MONITORIZARE A CALITĂȚII ENERGIEI ELECTRICE BAZAT PE TRANSFORMATĂ WAVELET ÎN VEDEREA CREȘTERII EFICIENȚEI ENERGETICE A CONSUMATORILOR INDUSTRIALI - FILOLET - Parteneriate, contr. Nr. 22-137/01.10.2008 (2008-2011)

Pn6. Sistem modular de propulsie electrică, realizat în tehnologie flexibilă, pentru vehicule terestre și ambarcațiuni - SIMOPEL, prg. INOVARE, contr. 16DPST/20.08.2013

F – Alte lucrări de cercetare – dezvoltare

Obs.-a se menționa calitatea de responsabil/director sau coautor.

Coautor in echipa de cercetare:

- F1.** “Studiu si solutii privind performantele actionarilor cu regatoare numerice la masinile de hartie”, contract de cercetare UPB - Ceprohart Braila, nr. 3-95-19 (1995)
- F2.** “Studiu pentru modernizarea actionarilor masinilor de hartie”, contract de cercetare UPB - Ceprohart Braila, nr. 3-95-04 (1995)
- F3.** Bloc numeric de comanda cu modul DSP" destinat echipamentelor pentru eficientizarea proceselor de transport a carbunelui, reducerea consumurilor specifice energetice. Contract UPB-IPA Craiova, 2005
- F4.** “Stand pentru incercarea rezolvelor tip transmitter”, contract de cercetare UPB - ICPE Bucuresti, nr. 3-93-2 (1993-1994)
- F5.** “Studiu privind stabilizarea pe axa cu motor asincron”, contract de cercetare UPB - ICPE Bucuresti, nr. 3-9-5 (1989)
- F6.** “Sistem de pozitionare pentru mase mari inertiiale”, contract de cercetare UPB - ICPE Bucuresti, nr. 3-7-15 (1987)

- F7.** “Comanda fara senzori a motoarelor asincrone, utilizand procesoare de semnal cu tehnici de reglare fuzzy si neurale”, contract de cercetare UPB - MTC, nr. 3-97-5, (1997)
- F8.** Comanda optima a motoarelor de curent alternativ cu procesoare de semnal”, contract de cercetare UPB - MTC, nr. 3-96-2, (1996)
- F9.** “Studiul sistemelor de control numeric al actionarilor de curent alternativ cu procesoare de semnal”, contract de cercetare UPB - MTC, nr. 3-95-1, (1995)
- F10.** “Cercetari privind modernizarea motoarelor electrice de uz general in Romania”, contract de cercetare UPB - ICPE-ME, nr. 3-94-1, (1994)
- F11.** “Comanda numerica a servosistemelor electrice”, contract de cercetare UPB - ICPE Bucuresti, nr. 3-93-1, (1993)
- F12.** “Studii si exepimentari privind optimizarea tehnicilor de prelucrare a informatiei privind reprezentarea grafica a suprafetelor topografice preluate prin metode fotogrametrice”, contract de cercetare IPB - Min.Minelor, nr. 1-89-9, (1989)
- F13.** “Regulator numeric pentru reglarea turatiei motorului asincron de la invertor PWM”, contract de cercetare IPB - ICSIT-MTAE Craiova, nr. 3-9-1, (1989)
- F14.** “Cercetari cu privire la realizarea unui regulator numeric pentru antena de urmarire a satelitilor cu orbite polare”, contract de cercetare IPB - ICPE Bucuresti, nr. 3-7-16, (1987-1988)
- F15.** “Echipament pentru testarea parametrilor electrici in flux a lampilor electrice cu incandescenta in procesul de ambalare”, contract de cercetare IPB - Intr. Romlux Targoviste, nr. 3-6-5, (1986)
- F16.** “Cercetari privind proiectarea si experimentarea unor sisteme de prelucrare numerica a datelor pentru spectrometru cu absorbtie atomica si cromatograf universal”, contract de cercetare IPB - IAUC Bucuresti, nr. 3-4-5, (1984)

- F17.** “Automatizarea si telemecanica substationilor electrice de tractiune”, contract de cercetare IPB - Intreprinderea de Transporturi Bucuresti, nr. 25-3-4, (1983)
- F18.** “Lucrari de proiectare si executie pentru un sistem de excitatie controlata, destinat studiilor experimentale de vibratii pe nave”, contract de cercetare IPB - ICEPRONAV, nr. 25-3-10, (1983)
- F19.** “Cercetari cu model experimental privind utilizarea microcontrolerelor industriale in conducerea activitatilor de instruire, formare si testare”, contract de cercetare IPB - Cab.Metodologic de Prot.Muncii PSI si testare psihologica, ILF Brasov, nr. 4-3-15, (1983-1985)
- F20.** “Studiul, cercetarea, proiectarea si realizarea comenzii prin sistem microprocesor si actionarea electrica a standului de incercari tehnologice si omologare ale turbinelor hidraulice in game 0-250 kW”, contract de cercetare IPB - IRE Suceava, nr. 4-2-3, (1982)
- F21.** “Studiul si proiectarea subretelei de supraveghere a mediului din zona de nord a municipiului Bucuresti”, contract de cercetare IPB - Cons. Municipal Bucuresti, nr. 13-2-2, (1982)
- F22.** “Cercetari cu model experimental privind comanda optima prin sisteme microprocesor a retelelor de oglinzi pentru captarea energiei solare”, contract de cercetare IPB - ICPE, nr. 4-1-5, (1981-1982)
- F23.** “Cercetari cu model experimental privind telecomanda cu mini si microcalculatoare a statiilor de distributie din zona IRE Suceava. Dezvoltarea sistemului de centralizare. Preluarea protectiilor si automatizarilor locale.”, contract de cercetare IPB - IRE Suceava, nr. 4-1-1, (1981-1982)
- F24.** “Cercetari cu model experimental privind un sistem de masura si semnalizare bazat pe microprocesoare pentru ramele de metrou”, contract de cercetare IPB - Metroul Bucuresti, nr. 4-1-2, (1981)
- F25.** “Studiul, cercetarea, proiectarea si realizarea a doua sisteme de conducere a proceselor tehnologice cu microprocesor”, contract de cercetare IPB - Centrul teritorial de calcul electronic Suceava, nr. 4-0-5, (1980-1981)
- F26.** “Cercetari cu model experimental privind preluarea pe sistem microprocesor a protectiilor dintr-o statie de transformare”, contract de cercetare IPB - IRE Suceava, nr. 4-2-0, 4-2-0A, (1980-1983)
- F27.** “Conducerea asistata de calculator a procesului de fabricare a celulozei sulfat la CCH Dej”, contract de cercetare IPB - Combinatul de Celuloza si Hartie Dej, nr. 4-0-7, (1980-1982)
- F28.** R.Magureanu, L.Kreindler, G.Danciu, C.Marin, “Cercetari cu model experimental privind utilizarea microprocesoarelor in domeniul actionarilor electrice”, contract de cercetare IPB - IIS Electrotehnica, nr. 34, (1979-1984)