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L I S T A **LUCRĂRILOR ȘTIINȚIFICE**

A. Teza de doctorat

Echipamente și programe de conducere optimală a proceselor de fracționare a produselor petroliere, UPG din Ploiești, 1987.

B. Cărți și capitole în cărți publicate

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C. Articole și comunicări publicate – după anul 1990

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D. Proiecte de cercetare ştiinţifică importante coordonate

1. **Internaţional** - *Generarea hărţilor electronice de navigaţie pentru sectorul românesc al Dunării* – parteneriat Universitatea Stuttgart – Universitatea Petrol-Gaze din Ploieşti Durată 4 ani – 1996-1999 : Competiţie la nivelul GTZ - Gesellschaft für Technische Zusammenarbeit – Germania.
2. **Naţional PNII** - *Modelare şi conducere automată utilizând instrumente ale inteligenţei artificiale pentru aplicaţii în chimie şi inginerie chimică* – INTELCHIM. Durată 5 ani: perioada 2007 – 2011.Competiţie naţională.
3. **Naţional PNII** - *Sisteme, echipamente , tehnologii şi tehnici avansate destinate creşterii gradului de protecţie a infrastructurii şi obiectivelor de interes public – AVPROT*. Durată 5 ani: perioada 2007 – 2011.Competiţie naţională.
4. **Naţional CEEX** - *Tehnologie, asistată de calculator , pentru obţinerea unor uleiuri pentru prelucrarea metalelor, compatibile cu mediul, utilizate în industria constructoare de masini- CUTOIL*. Durată 5 ani: perioada 2006 – 2010.Competiţie naţională.
5. **National CEEX** - *Echipamente şi sisteme biometrice de identificare şi autentificare a persoanelor pentru autorizarea accesului în reţelele informatice şi obiectivele de importanţă majoră – amprenta*. Durată 5 ani: perioada 2006 – 2010.Competiţie naţională
6. *Integrarea soluţiilor de dispecerizare a consumurilor de energie electrică, abur şi utilităţi în vederea configurării funcţiilor dispeceratului energetic şi de utilităţi al rafinăriei Petrobrazi*. Durată 1 an – 2004. Competiţie la nivelul sucursalei Petrobrazi.
7. *Sistem informatic destinat procesării în timp real a informaţiilor furnizate de aparatura inteligentă de laborator a rafinăriei Petrobrazi*. Durată 1 an – 2004. Competiţie la nivelul sucursalei Petrobrazi.

8. *Studiu de soluție pentru dispecerizarea consumului de energie electrică pe platforma Petrobrazî. Durată 2 ani : perioada 2002– 2003. Competiție la nivelul sucursalei Petrobrazî*
9. *Structuri de conducere automata evoluata pentru instalatia GASCON – instalatia de Cracare catalitica – Platforma Petrobrazî. Durată 1 an - 1999 : Competiție la nivelul sucursalei Petrobrazî.*
10. *Sistem de programe pentru conducerea automată evoluată a instalației DA din Rafinăria Onești . Durată 3 ani – 1997-1999 : Competiție la nivelul SC RAFO SA Onești*
11. *Sistem de monitorizare informatizata a parametrilor tehnologici de la cuptoarele de tratament termic secundar sector TT de la Uztel. Durată 1 an – 2002 : Competiție la nivelul S.C. UZTEL S.A. Ploiești*
12. *Modernizarea programului de monitorizare pentru standul de probat armături de la UZTEL. Durată 1 an – 2001 : Competiție la nivelul S.C. UZTEL S.A. Ploiești*
13. *Baza de date a U.P.G. Ploiești și World Wide Web Site. Durată 2 ani – 2001-2002 : Competiție națională organizată de către CNCSIS*

26 septembrie 2025

Semnătura,

Prof. univ. emerit dr. ing. PARASCHIV Nicolae