

Conf. dr. ing. Laura DARABANT (CRET)

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[3] **Laura CRET**, *Electrotehnică, Aplicații ale câmpului electromagnetic în medicină*, Editura Casa cartii de stiinta, Cluj-Napoca, 2008, ISBN 978-973-133-267-3, 235 pagini.

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Research grants

A. National grants

[1] Membru in grant: **Laura CRET**. Grant ANSTI de tip C, „Dezvoltarea si implementarea unor metode numerice de calcul a regimului electrocinetic creat de curentii de fuga in medii disipative neomogene” , Cod ANSTI 166/2000, Director de grant: Prof. dr. ing. Emil SIMION;

[2] Membru in grant: **Laura CRET**. Grant CNCSIS de tip A, „Analiza și predicția fenomenelor de interferență electromagnetică create de sistemele de tracțiune electrică feroviara” , Cod CNCSIS 483/2001, Director de grant: Prof. dr. ing. Emil SIMION;

[3] Membru in grant: **Laura CRET**. Grant CNCSIS de tip A, „Software 3D de modelare numerică a fenomenelor de interferență electromagnetică în regim cvasistațioanar armonic dintre liniile de înaltă tensiune și conductele metalice subterane” , Cod CNCSIS 434/2001, Director de grant: Prof. dr. ing. Vasile TOPA;

[4] Membru in grant: **Laura CRET**. Grant CNCSIS de tip A, „Software pentru modelarea si predictia interferentei electromagnetice pe linii de transmisie”, Contract 33385/2004, Cod CNCSIS 869, Director de grant: Prof. dr. ing. Emil SIMION;

- [5] **Director grant: Laura CRET.** Grant CNCSIS de tip Td, „*Software 3D pentru simularea stimulării electromagnetice a fibrelor nervoase*”, Contract 33385/2004, Cod CNCSIS 216;
- [6] Membru in grant: **Laura CRET.** Grant CNCSIS de tip A, “*Influenta campurilor electromagnetice asupra stabilitatii in functionare si a performantelor instalatiilor de ardere*”, Cod CNCSIS 1279/2006, Director de grant: Prof. Emil SIMION;
- [7] Membru in grant: **Laura CRET.** Contract CEEEX “*Cercetări teoretice și experimentale privind comportarea materialelor electroizolante în scopul fundamentării studiilor de diagnoză și predicție inteligente*”, Contract nr. 264/12.09.2006, Director: Prof. Doina Gavrilă
- [8] Membru in grant: **Laura CRET.** Contract CEEEX, nr. 136/2006, *Diagnoză și predicție inteligentă și activă a construcțiilor cu structura de rezistență în mediul inconjurator complex poluat*, Director: Prof. Dorin Isoc; membru în colectivul de cercetare **Creț Laura**;
- [9] Membru in grant: **Laura CRET.** Contract CEEEX, nr. X2C37/2006, *Impactul câmpurilor electromagnetice de natură antropică asupra ecosistemelor*, Director: Prof. Claudia Popescu;
- [10] Membru in grant: **Laura CRET.** Contract PN2 Idei ID_1024, nr. Contract 344/2007, *Model matematic pentru studiul influenței poluării electromagnetice în c.a. a conductelor metalice subterane de gaz, cu și fara protecție catodică, aflate în vecinătatea unei stații de transformare*, Director: Prof. dr. ing. Emil Simion;
- [11] Membru in grant: **Laura CRET.** Contract PN2 Idei ID_1078, nr. Contract 342/2007, *Stimulare magnetică neuronală – cercetări privind îmbunătățirea performanțelor echipamentului electric și a eficienței clinice în diagnostic și tratament*, Director: Prof. dr. ing. Radu CIUPA;
- [12] Membru in grant: **Laura DARABANT.** Contract PARTENERIATE nr. 22122 din 01.10.2008, *Sistem de predicție și diagnoză inteligentă , pentru prevenirea avariilor la cablurile de energie*, Director: dr. ing. Carmen Ligvay;
- [13] **Director grant: Laura DARABANT.** Grant CNCSIS de tip Pd, „*Determinări teoretice și experimentale privind stimularea magnetică a maduvei spinării*”, Contract 179/09.08.2010, PD_611/2010;

B. International grants:

- [1] Membru in grant: **Laura CRET.** Contract PAI Brâncuși, nr. 14914RL/2006 *Sisteme reconfigurable pentru aplicații biomedicale*, Director: Octavian Augustin Creț.
Nivel de finanțare: 3.200 EURO (partea română) + 3.400 EURO (partea franceză).
- [2] Membru in grant: **Laura DARABANT.** Contract bilateral Romania-Austria, nr. Contract 224/2009, *Stimularea Funcțională a Maduvei Spinării*, Director: Prof. dr. ing. Radu CIUPA;