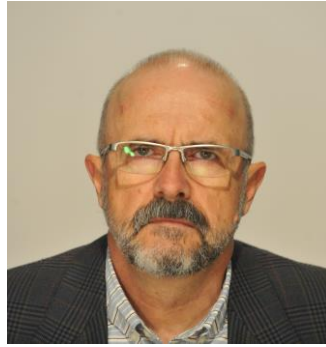


Curriculum vitae Europass



Informații personale

Nume / Prenume **CRAINIC, Nicolae**
Adresă(e) Strada Nicolae Labis, Bloc 5., 300199., Timisoara, Romania
Telefon(oane) + 40.256.403700 Mobil: + 40.723.246655
+ 40.256.403844
Fax(uri) + 40.256.403700
+ 40.256.403832
E-mail(uri) nicolae.crainic@upt.ro

Naționalitate(-tăți) Romana
Data nașterii 13 August 1957
Sex Masculin

Experiența profesională

Perioada **1999 - prezent**
Funcția sau postul ocupat **Conferentiar**

Activități și responsabilități principale	<p>Educație, cercetare, management de proiecte Director _ Centrul de Educație Permanentă Director _ Proiect Formare Continuă cu Firma Continental ContiTech, Timisoara Director _ Proiect Formare Continuă cu Firma SYSMEC, Arad Universitatea „Politehnica” din Timisoara, Facultatea de Mecanica CCISFC – Centrul de Cercetări pentru Ingineria Sistemelor cu Fluide Complexe Cercetare: materiale compozite, nano/micro compozite magnetizabile; NATO Science for Peace - Grant Holder at INEGI – CEMACOM, University of Porto, Portugal; Post Doc at INEGI – CEMACOM, University of Porto, Portugal; DUBLA DIPLOMA - ENSAM Cluny – UPT – coordonator; IP ERASMUS – ME & GS _ Materials, Energy and Sustainable Growth, 2010 – 2012, coordonator, (univ. of Portugal, Spain, Belgium, Lithuania, Estonia, Netherlands, Romania); ERASMUS – SOCRATES – coordonator (univ. of France, Portugal, Spain, Belgium); LEONARDO DA VINCI – coordonator (univ. of France); Marie Curie Chair of Excellence project “UltraNanoMan”; International Technical Committee – membru : Cyprus – ISNM_2005, USA - MIT – ISNM_2006, Singapore – MIT Alliance, ISNM_2007; Grece, ASTIR Palace, Vouliagmeni, Athens, ISNM_2008; International Scientific Committee – membru: ICNMMCS _ 2012, Torino, Italy; CACMSIstambul2015 _ Istambul, Turkey; ICCS20 _ 2017, Paris, France, ICCS21 _ 2018, Bologna, Italy, IP ERASMUS _ ISTIAS _ Integrating Sustainable Techniques Into Applied Sciences _ 2013 – 2015; coordonator; (Univ. of Portugal, Spain, Belgium, Lithuania, France, Netherlands, Romania);</p>
Numele și adresa angajatorului	<p>Universitatea Politehnica Timisoara, Facultatea de Mecanica. B-dul M. Vitreazul Nr. 1., 300222, Timisoara, Romania</p>
Tipul activității sau sectorul de activitate	Educație
Perioada	1992 - 1999
Funcția sau postul ocupat	Sef de lucrari
Activități și responsabilități principale	<p>Educație, cercetare, management de proiecte Universitatea „Politehnica” din Timisoara, Facultatea de Mecanica ERASMUS – SOCRATES – coordonator (univ. of France, Portugal,); LEONARDO DA VINCI – coordonator (univ. of France);</p>
Numele și adresa angajatorului	<p>Universitatea „Politehnica” din Timisoara, Facultatea de Mecanica. B-dul M. Vitreazul Nr. 1., 300222, Timisoara, Romania</p>
Tipul activității sau sectorul de activitate	Educație
Perioada	1987 - 1992
Funcția sau postul ocupat	Asistent
Activități și responsabilități principale	<p>Educație, cercetare, management de proiecte Universitatea „Politehnica” din Timisoara, Facultatea de Mecanica. B-dul M. Vitreazul Nr. 1., 300222, Timisoara, Romania</p>
Numele și adresa angajatorului	<p>Universitatea „Politehnica” din Timisoara, Facultatea de Mecanica. B-dul M. Vitreazul Nr. 1., 300222, Timisoara, Romania</p>
Tipul activității sau sectorul de activitate	Educație
Perioada	1982 - 1987
Funcția sau postul ocupat	Inginer
Activități și responsabilități principale	<p>Proiectare tehnologică, cercetare Intreprinderea ELECTROMOTOR Timisoara Piata Republicii nr. 11., Timisoara, Romania</p>
Numele și adresa angajatorului	<p>Intreprinderea ELECTROMOTOR Timisoara Piata Republicii nr. 11., Timisoara, Romania</p>
Tipul activității sau sectorul de activitate	Industria Electrotehnica

Educație și formare

Perioada **1989 - 1998**

Pagina / - Curriculum vitae al
Nume Prenume

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Calificarea / diploma obținută Doctor Inginer, Stiinta si Ingineria Materialelor
 Disciplinele principale studiate / Cercetari in domeniul Stiinta si Ingineria Materialelor, Tehnologia materialelor, turnarea materialelor
 competențe profesionale dobândite metalice
 Numele și tipul instituției de învățământ / furnizorului de formare **Universitatea Politehnica Bucuresti, Romania**
 Institut de Invatamant Superior
 Nivelul în clasificarea națională sau Ph D degree
 internațională

Perioada **1977 - 1982**

Calificarea / diploma obținută Diploma de inginer
 Disciplinele principale studiate / Stiinta Materialelor, Tehnologia Materialelor
 competențe profesionale dobândite
 Numele și tipul instituției de învățământ / furnizorului de formare **Universitatea Politehnica Bucuresti, Romania**
 Institut de Invatamant Superior
 Nivelul în clasificarea națională sau Diplomat Inginer
 internațională

Aptitudini și competențe personale
DELTA, DALF – certificate pentru limba franceza;
Leonardo da Vinci – evaluator de proiecte;

Limba(i) maternă(e) **Romana**

Limba(i) străină(e) cunoscută(e)

Autoevaluare

Engleza

Franceza

Maghiara

Portugheza

Înțelegere		Vorbire		Scriere
Ascultare	Citire	Participare la conversație	Discurs oral	Exprimare scrisă
B2	B2	B2	B2	B1
C2	C2	C2	C2	C2
B2	A1	B2	B2	A1
B2	A1	B2	B2	A1

Competențe și abilități sociale

- Pe parcursul studiilor universitare am fost membru al colectivului de cercetare din cadrul Facultatii de Stiinta si Ingineria Materialelor, participand la conferinte studentesti in perioada **1977 – 1982**;
- Membru al asocieiții studentilor si coordonator al activitatilor din Campusul universitar „REGIE” din cadrul Universitatii Politehnica Bucuresti, responsabil cu activitati profesionale;
- Profesor Invitat in cadrul colaborarilor internationale cu universitatile:
 - University Blaise Pascal Clermont - Ferrand, France, 2000,2006, 2009; 2012;
 - University Pierre et Marie Curie, PARIS 6, France, 2006 ;
 - University ENSAM Cluny, France, 2007, 2008;2009, 2010, 2012, 2013, 2015;
 - University of Porto, Portugal, 2000, 2001, 2002, 2004, 2006, 2007, 2009, 2010, 2011, 2015;
 - University of Minho, Portugal, 2004, 2006;
 - Escola Superior do Porto _ ISEP, Porto, Portugal, 2009, 2010,

Competențe și aptitudini organizatorice	<p>Incepad din anul 2000, sunt implicat in programul de coordonare al Programelor Tempus, Leonardo da Vinci, ERASMUS – Socrates, DUBLA DIPLOMA;</p> <p>Bursa NATO Science for Peace in domeniul nanomaterialelor, nanocomposite in perioada 2000 – 2001</p> <p>Proiect Marie Curie in colaborare cu Universitatea din Cipru si stagii Post Doc in cadrul Universitati din Porto, Centru de Cercetari INEGI – Instituto de Engenharia da Universidade do Porto;</p>
	<p>Competente Manageriale:</p> <ul style="list-style-type: none"> ➤ 2000 – prezent, coordonator al acordului de colaborare dintre Universitatea „Politehnica” din Timisoara si University of Porto, Porto, Portugalia ➤ 2001 – prezent, coordonator al acordului de colaborare dintre Universitatea „Politehnica” din Timisoara si Universitatea Blaise Pascal Clermont-Ferrand; ➤ 2004 – prezent, coordonator al acordului de colaborare, respectiv al Programului de Dubla Diploma, dintre Universitatea „Politehnica” din Timisoara si ENSAM Cluny, Franta; ➤ 2010 – 2012 – coordonator din partea UPT al proiectului IP ERASMUS _ me & sg _ Materials, Energy and Sustainable Growth, in colaboarre cu Portugalia, Spania, Olanda, Belgia, Lituania, Estonia; ➤ 2013 - 2015 - coordonator din partea UPT al proiectului IP ERASMUS _ ISTIAS _ Integrating Sustainable Techniques Inti Applied Sciences; in colaboarre cu Franta, Portugalia, Spania, Olanda, Belgia, Lituania, ➤ 2013 _ prezent, Director al Centrului de Educatie Permanenta din cadrul UPT.
Competențe și aptitudini tehnice	<p>1996 – prezent, perioada in care am participat la specializari in domeniul stiinta materialelor, nanaotehnologii, in Franta si Portugalia</p> <p>Autor a 54 de articole publicate in diverse reviste si conferinte internationale</p>
Competențe și aptitudini de utilizare a calculatorului	<p>Tehnica de calcul se regaseste atat in activitatea didactica si de cercetare cat si-n activitatile de management de proiect si comunicare cu terti</p>
Competențe și aptitudini artistice	<p>Dans, muzica, teatru</p>
Alte competențe și aptitudini	<ul style="list-style-type: none"> ✓ Membru al Asociatiei Romane de Tehnologii Neconventionale _ ARTN ✓ Membru al Asociatiei Generale a Inginerilor din Romania _ AGIR • Membru al European Association for the Promotion of Science and Technology (EUROSCIENCE), Member ID ES01691
Permis(e) de conducere	<p>Permis categoria B</p>
Informații suplimentare	<p>Persoane de contact:</p> <p>Prof. Antonio Torres Marques, Professor of Mechanical Engineering, Professor Catedratico, University of Porto, PORTUGAL, marques@fe.up.pt;</p> <p>Prof. Antonio Ferreira, Antonio J. M. Ferreira, Professor of Mechanical Engineering, Professor Catedrático de Engenharia Mecânica, University of Porto, PORTUGAL, ferreira@fe.up.pt Editor, Composite Structures;</p> <p>Prof. Joao Pedro Nunes, Universidade do Minho, PORTUGAL, jpn@dep.uminho.pt ,</p> <p>Prof. Michel Troquet, Université Blaise Pascal Clermont-Ferrand, FRANCE, troquet@custsv.univ-bpclermont.fr;</p> <p>Prof. Ladislau Vekas, Romanian Academy Timisoara Division, Timisoara, ROMANIA, vekas@acad-tim.tm.edu.ro;</p>

Anexe

1. N. Crainic - Aspects concernant l'utilisation des matériaux composites dans la technique aérospatiale - Revue de Technologie Nonconventionnelles Nr. 1/1999, ISBN: 973-9353-10-X, 1999, pag.140 – 143 ;
2. N. Crainic, G. Begiu, A. Raduta, M. Nicoara - The influence of melt proportion and reinforcement fraction on the hardness response of the AlSiMg/SiCp metal matrix composites - Ankiros – International Foundry Congress Istanbul, Turkey, (14 – 15) 10/1999, pag. 159 – 164;
3. N. Crainic, A. Torres Marques - Nano - Composites – a state of the art review - Mareriais'2001 – 1 International Materials Symposium - Coimbra – (9 –11) 04.2001 - Advanced Materials Forum I, ISBN 0-87849-905-9;
4. N. Crainic, J. F.Silva, P. Vieira, J. P. Nunes, A. Torres Marques - The Influence of Processing Parameters in the Production of Glass Reinforced Thermoplastic Matrix Towpregs, Mareriais'2001 – 1 International Materials Symposium - Coimbra – (9 –11) 04.2001, Portugal;
5. N. Crainic, J. P. Nunes, J. F. Silva, A. Torres Marques - Technological Developments To Produce Low-Cost Thermoplastic Reinforced Composites By Filament Winding - 7th European Conf. on Advanced Materials and Processes-EUROMAT 2001, 10-14 Junho, Rimini, Italia (2001);
6. N. Crainic, J. P. Nunes, J. F. Silva, P. Veira, D. E. Rosin, A. Torres Marques - Filament wound pipes made with thermoplastic towpregs and coated tapes - 8th Int. Conf. on Composites Engineering- ICCE/8, 5-11 Agosto, Tenerife, Espanha (2001);
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8. N. Crainic, A. Torres Marques, P. Vieira - Particularities concernant les poudres de polypropylène utilise dans le procès technologique de fabrication des composites - Buletinul Stiintific al Universitatii Politehnica din Timisoara - Seria MECANICA, Transactions on MECHANICS, Tom 46 (60), Fascicola 2, 2001, ISSN 1224 – 6077, pag. 75 – 80 ;
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10. A. Torres Marques, N. Crainic, Doina Bica, P. J. Nóvoa, L. Vekas - Control of nanomagnetic fluids during the production of composite parts components - 4th Joint EC – NSF Workshop on Nanotechnology - Tools and Instruments for Research & Manufacturing - Grenoble – 2002 - France, Office for Official Publication of the European Communities, ISBN 92-894-4087-2, pag. 77 – 79;
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12. N. Crainic, A Torres Marques, J. P. Nunes, J. F. Silva, P. Vieira - Cercetari privind realizarea materialelor compozite termoplastice - Primul Simpozion National de Inginerie Economica - 23.03.2002, Cluj – Napoca, ROMANIA;
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14. N. Crainic, A Torres Marques, J. P. Nunes, J. F. Silva, P. Vieira - Particularities concerning the productions and test them of plates achieved by the thermoplastic composites - International Conference on Advanced Materials and Structures, AMS 2002, Timisoara, ROMANIA;
15. N. Crainic, A.T. Marques, Doina Bica, P. J. Novoa, L. Vekas, C. P. Moreira de Sa, - Nanocomposites magnetiques - Revista de tehnologii neconventionale nr. 1, p. 9-15, (2002);
16. N. Crainic, A. Torres Marques, D. Bica, J. P. Novoa, L. Vekas, C. P. Moreira de Sa - The Usage of the Nanomagnetic Fluids and the Magnetic Field to Enhance the Production of Composite Made by RTM – MNF - Seventh International Conference on Frontiers of Polymers and Advanced Materials, ICFPAM – 2003, Bucarest – Romania, 10 – 15 June 2003, ISBN 973-8130-91-3, pag. 171 – 172;
17. N. Crainic, A. Ferreira Vieira, P. Vieira , M. Sousa, J. P. Novoa, A. Torres Marques - Resin Transfer Moulding of Composite With Enhanced Properties Using Resin Modified With Microscopic Cork Powder - Seventh International Conference on Frontiers of Polymers and Advanced Materials ICFPAM – 2003, Bucarest – Romania, 10 – 15 June 2003, ISBN 973-8130-91-3, pag. 180 – 181;
18. N. Crainic, A. T. Marques, J. P. Nunes, Pedro Vieira, J. F. Silva – Aspects concerning the production of towpregs – a XI-a Conferinta Internationala de Tehnologii Neconventionale – CITN XI - Actualitati tendinte si perspective ale tehnologiilor neconventionale - 2003 – Editura ARTPRESS Timisoara – ISBN 973-7911-19-9;
19. N. Crainic, A.T. Marques, D. Bica, P.J. Nóvoa, L.Vekas, C.P. Moreira de Sa - The Use of the nanomagnetic fluids and the magnetic field to enhance the production of composite by RTM – MNF - Molecular Crystals and Liquid Crystals, 2004, 29/[757] – 40/[768];

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21. N. Crainic, Bica D., Marques A. T., Popa N. C., Novoa P. J., Correa N., Moreira de Sa C. P., Vekas L., Ramantani D. - Resin Based Magnetizable Nano-Composite Materials and Some of Their Properties - ISNM 2005, The 3rd International Symposium on Nanomanufacturing - Cyprus - November 3 – 5, 2005, 48 – 53;
22. N. Crainic, Bica D., Marques A. T., Popa N. C., Novoa P. J., Correa N., Moreira de Sa C. P., Vekas L., Ramantani D. - Complex Composite Materials with Nano/Micro Magnetic Structure in Polymeric Matrix - nanoSMat2005, International Conference on Surfaces, Coatings and Nanostructured Materials – Portugal – September 7 – 9, 2005, 107-109;
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26. Anita Cristophidou, Doina Bica, Nicolae Crainic, Ladislau Vekas, Caralabachos Doumanidis - Structural and Dynamic Mechanical Analysis of Magnetic Nanocomposites by Polymer Ultrasonic Welding - ISNM 2006, The 4rd International Symposium on NanoManufacturing – MIT – USA - November 1 – 3, 2006, 79 – 83 ;
27. Nicolae Crainic, Paulo R. O. Nóvoa , Doina Bica, Ladislau Vekas, António T. Marques - STRUCTURE AND PROPERTIES OF MAGNETIC NANOFUID (MNF) MODIFIED POLYMER COMPOSITES - International School Structural Characterization of Nanostructures, ISSCN'07, Portugal ;
28. Nicolae Crainic, Doina Bica, António Torres Marques, Nicolae Calin Popa, Paulo J. Nóvoa, Nuno Correia, Oana Marinica, Carlos Pinto Morreira de Sá, and, Ladislau Vekas - Magnetic nano-structured polymeric composite obtained using nano-magnetic fluids – International Symposium on Advanced Magnetic Material and Applivcations – ISAMMMA 2007 – May 28 – June 1, 2007, Shilla Hotel, Jeju, Korea ;
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30. N. Crainic, Torres Marques A., Vekas L., Bica D., Popa N. C., Novoa J.P., Marinica O., Correia N., Pinto Moreira de Sa C., - Magnetic nanocomposites obtained using high evaporation rate magnetic nanofluids, Int. J. Nanomanufacturing, Vol. 1, No. 6, 2007, ISSN 1746 – 9392 (Print); 1746 – 9406 (Online);
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32. N. Crainic, Paulo J. R. O. Nóvoa, Carlos P. Moreira de Sá, Doina Bica, Nicolae Calin Popa, Landislau Vekas, António T. Marques, - Magnetic Nanofluid Unsaturated Polyester Nanocomposites, MATERIAIS 2007 Porto, 1 - 4 April 2007, Porto – Portugalia, POSTER;
33. N. Crainic, Doina Bica, A. T. Marques, N. C. Popa, P. J. Novoa, N. Correia, Oana Marinica, C. P. Moreira de Sa, L. Vekas, - Nano Magnetic Composite Materials With Polymer Matrix Obtained Using Nano-Magnetic Fluids, 2007 MRS Fall Meeting, November 26 - 30, 2007, Exhibit: November 27 - 29 , Hynes Convention Center and Sheraton Boston Hotel Boston, MA, POSTER;
34. N.Crainic, Doina Bica, A.T.Marques, Paulo J. Novoa, Nuno Correia, - Nanao – Composite Materials Obtained Using Nano-Magnetic Fluids and Resins, 5th Conference on Isotopic and Molecular Processes [PIM - 2007](#), September 20 - 22 2007, Cluj-Napoca, ROMANIA;
35. N. Crainic, Doina Bica, A.T. Marques, L. Vekas, - NANO/MICRO COMPOZITE MAGNETIZABILE Obtinere, proprietati si domenii de aplicabilitate, Workshop 28 Septembrie, 2007 Institutul de Chimie Macromoleculara “Petru Poni” Iasi;
36. N. Crainic, Doina Bica, Paulo J. Nóvoa, Nuno Correia, Nicolae Calin Popa , Carlos Pinto Moreira de Sá, António Torres Marqu, Ladislau Vekas, - Magnetic Nanocomposite Materials Obtained Using Magnetic Nano Fluids and Resins, ISNM 6 (12 – 14) November 2008, ASTIR Palace, Vouliagmeni, Athens;

- 37.** N. Crainic, Doina Bica, Paulo J. Nóvoa, Nuno Correia, Nicolae Calin Popa, Carlos Pinto Moreira de Sá, António Torres Marques, Ladislau Vékás, - The Use of Magnetic Nanofluid to Obtain Magnetic Nanomaterials, *IC4N - International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems* Porto Carras Resort Thessaloniki, Greece Monday, June 16, 2008 - Wednesday, June 18, 2008
- 38.** N. Crainic, Doina Bica, A. T. Marques, P. J. Nóvoa, N. Correia, N. C. Popa, Oana Marinica, C. P. Moreira de Sá, L. Vékás, - NANO-COMPOSITE MATERIALS OBTAINED USING NANO-MAGNETIC FLUIDS AND RESINS, *The International Symposium on Advancing the Chemical Sciences: Challenges in Physical Chemistry and Nanoscience (ISACS2)* Budapest, Hungary, 3th to the 16th July 2010, POSTER
- 39.** N. Crainic, Doina Bica, A. Torres Marques, L. Vekas, P. J. Novoa, Oana Marinica, N. Correia, N. C. Popa, P. Vieira, C. P. Moreira de Sa, - NANO MAGNEIC FLUIDS AND MAGNETIZABLE NANOCOMPOSITE MATERIALS, *Plenary Lecture ar the ENMEC2010, The Portugaise Meeting for Composite materials and Structures*, 7 - 9 September 2010, Porto, Portugal;
- 40.** N. Crainic, D. Bica, A. Torres Marques, L. Vekas, P. J. R. Nóvoa, O. Marinica, P. Vieira, N. C. Popa, N. Correia, C. P. Moreira de Sa, - THE USE OF MAGNETIC NANO-FLUIDS TO OBTAIN MAGNETIC NANO-COMPOSITE MATERIALS, *NANOSMAT, 5th International Conference on Surfaces, Coatings and Nanostructured Materials* www.nanosmat-conference.com, 19-21 October 2010, Reims, France, Abstracts Book Editors: Dr Nasar Ali (UK) Prof. Jean Ebothe (France) Dr Imran Patel (BUE - Egypt)
- 41.** N. Crainic, Doina Bica, N. C. Popa, L. Vekas, A T Marques, P. Novoa, N. Correia, C. P. Moreira de Sa, - Magnetic nanocomposite materials obtained using magnetic fluids and ersins, *International Journal of Nanomanufacturing, Inderscuience Entreprises Ltd., Vol 6, Nr. 1-4, 2010, ISSN 1746 – 9392 (Print), 1746 – 9406 (Online);*
- 42.** N. Crainic, A. Torres Marques, P. J. R. Nóvoa, Oana Marinica, N.C. Popa, Alina Taculescu, C. P. Moreira de Sa and Camelia Daia, - PARTICULARITIES CONCERNING THE USE OF MAGNETIC NANOFLUIDS TO OBTAIN MAGNETIC NANOCOMPOSITE MATERIALS, *Multifunctional Nanoparticles, magnetically controllable fluids, complex flows and applications* 2-3 June, 2011 Timisoara, Romania;
- 43.** N. Crainic, A. Torres Marques, N.C. Popa, P. J. R. Nóvoa, Oana Marinica N. Correia, Alina Taculescu, Patricia Perez, Camelia Daia, - PARTICULARITIES CONCERNING THE USE OF MAGNETIC NANOFLUIDS IN THE FABRICATION PROCESS OF THE NANOCOMPOSITE MATERIALS, *ICCS16 - 16th International Conference on Composite Structures University of Porto, Faculty of Engineering (FEUP), June 28-30, 2011;*
- 44.** N. Crainic, Doina Bica, A. Torres Marques, L. Vekas, P. J. Novoa, Oana Marinica, N. Correia, N. C. Popa, P. Vieira, G. Bandur, Alina Taculescu, Camelai Daia, C. P. Moreira de Sa, - Application des nanofluides magnetiques dans le science des materiaux nanocomposites magnetisables, *X^{ème} Colloque Franco-Roumain sur les Polymères, Douai, France, 6-8 Septembre 2011, POSTER ;*
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29.07.2020