




Curriculum vitae Europass	Inserați fotografia. (rubrică facultativă, vezi instrucțiunile) 
Informații personale	
Nume / Prenume	Pintilie Lucian
Adresă(e)	Acasa: Alunis 10, Magurele, Ilfov, 077125 Romania Serviciu: Atomistilor 405A, Magurele, Ilfov, 077125, Romania
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E-mail(uri)	pintilie@infim.ro ; pintiluc@yahoo.com
Naționalitate(-tăți)	Roamana
Data nașterii	30.09.1959
Sex	masculin
Locul de muncă vizat / Domeniul ocupațional	Colegiul Consultativ pentru Cercetare-Dezvoltare si Inovare
Experiența profesională	
Perioada	Aprilie 2016-prezent
Funcția sau postul ocupat	Director Stiintific
Activități și responsabilități principale	Activitate de coordonare a departamentelor si laboratoarelor de cercetare din institut; coordonarea concursurilor de angajare pe posturi de cercetare; elaborarea strategiei INCDFM; reprezentarea INCDFM in relatia cu parteneri nationali si internationali, precum si in relatia cu autoritatile publice
Numele și adresa angajatorului	INCDFM (Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor), Atomistilor 405A, Magurele, 077125, Romania
Tipul activității sau sectorul de activitate	Cercetare-Dezvoltare-Inovare
Perioada	Ianuarie 2013-Aprilie 2016
Funcția sau postul ocupat	CS1, Sef de laborator
Activități și responsabilități principale	Activitate de cercetare (sinteza de materiale, masuratori, propuneri de proiecte, elaborarea de lucrari, propunerea de aplicatii; management de proiecte; management grup de cercetare)
Numele și adresa angajatorului	INCDFM (Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor), Atomistilor 405A, Magurele, 077125, Romania
Tipul activității sau sectorul de activitate	Cercetare-Dezvoltare-Inovare

Perioada	Decembrie 2008-Ianuarie 2013
Funcția sau postul ocupat	Director General INCDFM
Activități și responsabilități principale	Managementul institutului
Numele și adresa angajatorului	INCDFM (Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor), Atomistilor 405A, Magurele, 077125, Romania
Tipul activității sau sectorul de activitate	Management institutie de cercetare
Perioada	1987-2008
Funcția sau postul ocupat	ACS (1987-1990), CS (1990-1995), CS3 (1995-1998), CS2 (1998-2001), CS1 (2001-prezent) Sef de Laborator intre 1997 si 2004
Activități și responsabilități principale	Activitate de cercetare (executie probe, caracterizare, analiza date experimentale, redactare lucrari stiintifice, conducere de granturi si proiecte de cercetare); activitate organizatorica (ca sef de laborator); activitate administrativa
Numele și adresa angajatorului	INCDFM (Institutul National de Cercetare-Dezvoltare pentru Fizica Materialelor), Atomistilor 405A, Magurele, 077125, Romania
Tipul activității sau sectorul de activitate	Cercetare
Perioada	1984-1987
Funcția sau postul ocupat	Inginer fizician stagiar
Activități și responsabilități principale	Achizitii echipamente de cercetare si productie
Numele și adresa angajatorului	Combinatul Chimic Giurgiu
Tipul activității sau sectorul de activitate	Productie chimie
Educație și formare	
Perioada	2001-2007
Calificarea / diploma obținută	Stagii de lucru si burse post-doctorale
Disciplinele principale studiate / competențe profesionale dobândite	Fizica Starii Condensate; Stiinta materialelor; Fizica materialelor feroelectrice si multiferoice
Numele și tipul instituției de învățământ / furnizorului de formare	IKZ Berlin, Germania (2001-2002); Universitatea din Braga, Portugalia (2002-2003); Institutul Max Planck pentru Fizica Microstructurilor din Halle, Germania (2003-2007)
Nivelul în clasificarea națională sau internațională	ISCED 44-Physical sciences
Perioada	1990-1995
Calificarea / diploma obținută	Doctorat
Disciplinele principale studiate / competențe profesionale dobândite	Fizica Starii Condensate

Numele și tipul instituției de învățământ / furnizorului de formare	IFA Bucuresti									
Nivelul în clasificarea națională sau internațională	ISCED 8-Doctoral or equivalent level									
Perioada	1979-1984									
Calificarea / diploma obținută	Licenta si master									
Disciplinele principale studiate / competențe profesionale dobândite	Fizica/Fizica tehnologica									
Numele și tipul instituției de învățământ / furnizorului de formare	Facultatea de Fizica, Universitatea Bucuresti									
Nivelul în clasificarea națională sau internațională	ISCED 7-Master or equivalent level									
Aptitudini și competențe personale										
Limba(i) maternă(e)	Romana									
Limba(i) străină(e) cunoscută(e)										
Autoevaluare	Înțelegere				Vorbire				Scriere	
<i>Nivel european (*)</i>	Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
Limba Engleza	C1	Avansat	C1	Avansat	C1	Avansat	C1	Avansat	C1	Avansat
Limba Franceza	A2	Incepator	A2	Incepator	A1	Incepator	A1	Incepator	A1	Incepator
	(*) <i>Nivelul Cadrului European Comun de Referință Pentru Limbi Străine</i>									
Aptitudini și competențe artistice	-									

<p>Aptitudini și competențe de comunicare; participare in comisii si consilii consultative sau de evaluare</p>	<p>Munca de sef de laborator sau de manager de institut presupune comunicare atat pe orizontala cat si pe verticala. Participat la mai multe cursuri de management si comunicare in cercetare (2003-CIPRE; 2008-INA; 2009-Economix si Carroll School of Management). Abilitati de comunicare si de formare tineri cercetatori. 2008-prezent: membru in Consiliul Stiintific al INCDFM 2008-2013: membru in Consiliul de administratie la INCDFM 1997-2004 si 2008-prezent: membru in Comitetul de Directie al INCDFM 2010-2012: membru al Consiliului National de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU) 2010-present: membru in Biroul Executiv al Patronatului Roman din Cercetare-Proiectare 2015: numit reprezentant al Romaniei in Programul ERA-NET RUS-PLUS, cu sediul la DLR Bonn, Germania 2010: Referent Office of Basic Energy Sciences, Department of Energy, USA 2011-2013: monitor proiecte FP7 2011-2015: Referent, Faculty of Engineering and Natural Sciences, Sabanci University, Istanbul, Turkey 2015: Referent, Euro-talents Program, CEA, France 2015: Referent, Executive Unit for Funding High Education, Research, Development and Innovation (UEFISCDI) 2013-2014: reprezentant al CC-CDI in cadrul exercitiului national de evaluare al INCD-urilor (desemnat pentru ICCF-Bucuresti, ICECHIM-Bucuresti si INSEMEX-Petrosani) 2016-prezent: membru al Consiliului National de Atestare a Titlurilor, Diplomelor si Certificatelor Universitare (CNATDCU)</p>
<p>Aptitudini și competențe organizatorice; participare la elaborarea de reglementari si lucrari specifice domeniului CDI</p>	<p>Abilitati de a organiza si conduce grupuri de oameni, dobandite ca director de proiect, sef de laborator, director general de institut. Director sau responsabil al echipelor de cercetare la mai multe proiecte nationale sau internationale (vezi lista proiecte).</p> <p>Participant la elaborarea urmatoarelor strategii: Strategia Nationala CDI 2014-2020, membru in panelul de Materiale Strategia NANOPROSPECT in domeniul nanotehnologiilor si nanomaterialelor-reprezentant al INCDFM in consoriul de elaborare a strategiei Studiul ESFRO privind evaluarea potentialului romanesc de cercetare in domeniul fizicii si elaborarea unei strategii privind colobararile internationale-reprezentant al INCDFM in consoriul de elaborare</p>
<p>Aptitudini și competențe tehnice (utilizare calculator, anumite tipuri de echipamente, mașini etc.)</p>	<p>Electronica (la nivel de incepator); mecanica, lacatuserie, sudura (auto-didact); utilizarea echipamentelor stiintifice de masura (curent, capacitate, etc.) Utilizator programe comerciale (Office, Origin, Mathcad, etc.)</p>

Alte competențe și aptitudini	<p>Premii și distincții: 2000-Diploma de excelență în cercetare acordată de ANSTI 2009-Premiul „Dragomir Hurmuzescu” al Academiei Române 2010-Diploma de manager al anului acordată de ANCS</p> <p>Membri în colective redactionale, referent 2009, 2012, 2014, 2015: Guest Editor; Thin Solid Films, Elsevier, the Netherlands Referent la: <i>Advanced Materials</i>, <i>Physical Review Letters</i>, <i>Physical Review B</i>, <i>ACS Advanced Materials and Interfaces</i>, <i>Acta Materialia</i>, <i>Applied Physics Letters</i>, <i>Thin Solid Films</i>, <i>Physica Status Solidi</i>, <i>Microelectronic Engineering</i>, <i>Chemistry of Materials</i>, <i>Materials Science and Engineering B</i>, <i>Journal of Materials Science</i>, <i>Journal of Crystal Growth</i>, <i>Optical Materials</i>, și altele.</p> <p>Activitate didactică 2009-prezent: conducător de doctorate (8 doctorate finalizate, 3 doctoranzi înscriși); profesor asociat la Școala Doctorală a Facultății de Fizică București</p>
Permis(e) de conducere	-
Informații suplimentare	<p>Membri în colective de redacție sau comitete științifice ale revistelor /manifestărilor științifice/naționale și internaționale 2015-Co-presedinte al celei de a 8-a editii a Conferinței Internaționale pentru Materiale Avansate (ROCAM), București, România, 7-10 iulie; organizator al secțiunii 3: <i>Thin Films and Nanostructures of Functional Materials</i> (see http://rocam.unibuc.ro/rocam2015/index.php) 2014-Co-presedinte și organizator principal al conferinței internaționale <i>Electroceramics XIV</i>, București, România, 16-20 iunie (see http://www.electroceramics14.com/) 2012-Membri în comitetul de organizare al celei de a 7-a editii a Conferinței Internaționale pentru Materiale Avansate (ROCAM), Brașov, România, 28-31 august, organizator al secțiunii 4: <i>Thin Films of Multifunctional Materials for Advanced Applications</i> (see http://rocam.unibuc.ro/rocam2012/index1.html) 2010-Organizator al workshopului „Materiale multifuncționale micro și nanostructurate: de la cercetare la aplicații” în cadrul celei de a 2-a editii a conferinței „Diaspora în Cercetarea Științifică Românească și Învățământul Superior”, București, 21-24 septembrie 2010 2009- Membri în comitetul de organizare al celei de a 7-a editii a Conferinței Internaționale pentru Materiale Avansate (ROCAM), Brașov, România, 25-28 august; organizator al secțiunii 5: <i>Advanced functional oxide materials: characterization and applications</i> (see http://rocam.unibuc.ro/rocam2009/) Peste 210 de lucrări publicate în jurnale și volume de conferință; indice h 32 (Web of Science); 32 (Scopus); 38 (Google Scholars)</p>
Anexe	Lista de proiecte, realizări importante, lista lectii invitate, lista lucrari, lista brevete

2. Proiecte naționale și internaționale, în calitate de director/responsabil

Programul/Proiectul	Funcția	Perioada	Bugetul administrat
SfP-971970-INOWATE “Integrated Optoelectronic Circuits for Infrared Wavelength Telecommunication”	Responsabil proiect partea Română	1999-2004	250,000 RON
RELANSIN: Intelligent IR device for monitoring and controlling the particles in suspension in air and	Director	2000 – 2002	150,000 RON

moisture in granular materials”			
CERES: “Electronic processes in structures for detection of corpuscular and electromagnetic radiation” (Percol)	Director	2002-2004	270,000 RON
CERES: “Physical mechanisms of detection and associated measurements methods for the IR domain”	Director	2002 – 2004	230.000 RON
CERES: “Polar phenomena and charge transport in micro and nanostructured ferroelectric thin films” (POLTRANSF)	Director	2004-2006	110,000 RON
CEEX: “Complex phenomena and size effects in nanostructured thin films with ferroelectric and ferroic properties” (DINAFER)- DINAFER-2-CEEX-06-11-44	Director	2006 –2008	1,500,000 RON
IFA-CEA: “Investigation of metal-ferroelectric interface at macro and nanoscale”	Director	2010-2013	600,000 RON
FP7: “Interfacing oxides” (IFOX)	Responsabil partea Romana	2010-2015	2,400,000 RON
Ideas-PCCE: „Effect of interfaces on charge transport in ferroic/multiferroic heterostructures”	Director	2012-2015	7,000,000 RON
IFA-CEA: “Pyroelectricity in PZT thin films and multilayers”	Director	2014-2016	400,000 RON
Partnership: “Optimized pyroelectric materials through the polarization gradient concept and experimental model for a pyroelectric detector with potential for applications in monitoring high power/energy lasers.”	Director	2014-2016	1,200,000 RON
M-ERA NET: “Novel generation of pyroelectric detectors based on polar semiconductors”	Director	2015-2017	1,100,000 RON
Proiect PFE: Dezvoltare Institutionala pentru Cercetare de Excelenta in Domeniul Materialelor Avansate”	Director	2018-2020	6,900,000 RON
Proiect POC-G: „Materiale multifunctionale inteligente pentru aplicatii de inalta tehnologie” (contract 54/2016)	Director	2016-2022	13,500,000 RON
Proiect PCCF: „Controlul proprietatilor electronice in heterostructuri bazate pe perovskite feroelectrici: de la teorie la aplicatii/CEPROFER/PN-III-P4-ID-PCCF-2016-0047” (Contract 16/2018)	Director	2018-2022	8,500,000 RON
Proiect H2020: „3eFERRO Energy efficient Embedded Non-volatile Memory and Logic based on Ferroelectric Hf(Zr)O2”	Responsabil partea Romana	2018-2021	~300,000 EUR

Cea mai mare parte a activitatii mele stiintifice a fost dedicata studiului experimental si teoretic al proprietatilor fizice ale materialelor feroelectrice prezentate atat sub forma ceramica cat si sub forma de straturi subtiri si multistraturi.

1. **Contributii privind investigarea proprietatilor multistraturilor feroelectrice, si simularea acestor proprietati.** Rezultatele cercetarilor in domeniul bimorfilor si multistraturilor feroelectrice au fost publicate in urmatoarele lucrari, in ordine cronologica:
 1. Dielectric and pyroelectric properties of a ceramic bimorph structure, **L. Pintilie**, C. Constantin, FERROELECTRICS 173 (1) 111 (1995)
 2. THERMAL-ANALYSIS OF THE PYROELECTRIC BIMORPH AS RADIATION DETECTOR, ALEXE M, **PINTILIE L**, INFRARED PHYSICS & TECHNOLOGY 36 (6): 949-954 (1995)
 3. Temperature dependence of the pyroelectric voltage in a 2-2 connectivity pyroelectric bimorph **Pintilie L**, Pintilie I. FERROELECTRICS 200 (1-4): 219-235 (1997)
 4. Ferroelectric properties of $Pb_{1-3y/2}La_y(Zr_{0.4}Ti_{0.6})O_{3-3y}$ structures with La concentration gradients, Boerasu I, **Pintilie L**, Kosec M, APPLIED PHYSICS LETTERS 77 (14): 2231-2233 (2000)
 5. Equivalent pyroelectric coefficient of a pyroelectric bimorph structure, **Pintilie L**, Pintilie I, Matei I, JOURNAL OF APPLIED PHYSICS 88 (12): 7264-7271 (2000)
 6. Simple model of polarization offset of graded ferroelectric structures, **Pintilie L**, Boerasu I, Gomes MJM, JOURNAL OF APPLIED PHYSICS 93 (12): 9961-9967 (2003)
 7. Growth and properties of $Pb(Zr_xTi_{1-x})O_3$ step graded-structures, Boerasu I, **Pintilie L**, Pereira M, Gomes MJM, Vilarinho PM, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 5 (3): 769-775 (2003)
 8. Space charge contribution to the apparent enhancement of polarization in ferroelectric bilayers and multilayers; I. B. Misirlioglu, M. Alexe, **L. Pintilie**, and D. Hesse, APPL. PHYS. LETT. **91**, 022911 (2007)
 9. Thickness-driven antiferroelectric-to-ferroelectric phase transition of thin $PbZrO_3$ layers in epitaxial $PbZrO_3/Pb(Zr_{0.8}Ti_{0.2})O_3$ multilayers; Ksenia Boldyreva, **Lucian Pintilie**, Andriy Lotnyk, I. B. Misirlioglu, Marin Alexe, and Dietrich Hesse, Appl. Phys. Lett. **91**, 122915 (2007)
 10. Capacitance tuning in antiferroelectric-ferroelectric $PbZrO_3$ - $Pb(Zr_{0.8}Ti_{0.2})O_3$ epitaxial multilayers 013003; **Pintilie, L.**, Boldyreva, K., Alexe, M., Hesse, D.; New Journal of Physics Volume 10, 14 January (2008)
 11. Structural and multiferroic properties of epitaxial γ - Fe_2O_3 - $BiFeO_3/Bi_{3.25}La_{0.75}Ti_3O_{12}$ composite bi-layers; O. Gautreau, C. Harnagea, L. Gunawan, G. A. Botton, F. Normandin, T. Veres, **L.Pintilie**, M. Alexe and A. Pignolet, J. Phys. D: Appl. Phys. **41**, 112002 (2008)
 12. Ferroelectric/Antiferroelectric $Pb(Zr_{0.8}Ti_{0.2})O_3/PbZrO_3$ Epitaxial Multilayers: Growth and Thickness-Dependent Properties, Boldyreva, Ksenia, **Pintilie, Lucian**, Lotnyk, Andriy, Misirlioglu, I. B., Alexe, Marin, Hesse, Dietrich, FERROELECTRICS **370**, 140-146 (2008)
 13. Antiferroelectric-like behavior in polycrystalline $Pb(Zr_{0.2}Ti_{0.8})O_3$ - $BiFeO_3$ multilayers prepared by sol-gel method, Author(s): **Pintilie L**, Stancu V, Dragoi C, Vlaicu M, Journal of Optoelectronics and Advanced Materials **10**(11), 3144-3149 (2008)
2. **Contributii privind investigarea proprietatilor fotoelectrice ale feroelectricilor.** Principalele rezultate au fost publicate in:
 1. $Bi_4Ti_3O_{12}$ ferroelectric thin film ultraviolet detectors, **Pintilie L**, Alexe M, Pignolet A, Hesse D, APPLIED PHYSICS LETTERS 73 (3): 342-344 (1998)
 2. Photoelectric effects in chemical solution deposited $Bi_4Ti_3O_{12}$ thin films, **Pintilie L**, Alexe M, Pignolet A, Hesse D, JOURNAL DE PHYSIQUE IV 8 (P9): 101-104 (1998)
 3. Photoconductivity of $SrBi_2Ta_2O_9$ thin films, **Pintilie L**, Alexe M, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 19 (6-7): 1485-1488 (1999)
 4. Photoconductive properties of $Bi_4Ti_3O_{12}/Si$ heterostructures with different thickness of the $Bi_4Ti_3O_{12}$ film, **Pintilie L**, Pintilie I, Alexe M, JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 19 (6-7): 1473-1476 (1999)
 5. Photoelectric properties of sandwich $Au/Bi_4Ti_3O_{12}/Si/Al$ heterostructures, **Pintilie L**, Pintilie I, Botila T SEMICONDUCTOR SCIENCE AND TECHNOLOGY 14 (10): 928-935 (1999)
 6. Short-circuit photocurrent in epitaxial lead zirconate-titanate thin films ; **Pintilie L**, Vrejoiu I, Rhun GL, Alexe M, JOURNAL OF APPLIED PHYSICS 101 (6): Art. No. 064109 (2007)
3. **Contributii privind investigarea si modelarea proprietatilor electrice in straturi subtiri feroelectrice.** Rezultatele au fost publicate in:

1. Competition between ferroelectric and semiconductor properties in Pb(Zr_{0.65}Ti_{0.35})O₃ thin films deposited by sol-gel, Boerasu I, **Pintilie L**, Pereira M, Vasilevskiy MI, Gomes MJM, JOURNAL OF APPLIED PHYSICS 93 (8): 4776-4783 (2003)
2. Polarization reversal and capacitance-voltage characteristic of epitaxial Pb(Zr,Ti)O₃ layers **Pintilie L**, Lisca M, Alexe M, APPLIED PHYSICS LETTERS 86 (19): Art. No. 192902 (2005)
3. Ferroelectric-like hysteresis loop in nonferroelectric systems ; **Pintilie L**, Alexe M, APPLIED PHYSICS LETTERS 87 (11): Art. No. 112903 (2005)
4. Lead-based ferroelectric compounds: Insulators or semiconductors?; **Pintilie L**, Lisca M, Alexe M INTEGRATED FERROELECTRICS 73: 37-48 (2005)
5. Metal-ferroelectric-metal structures with Schottky contacts. II. Analysis of the experimental current-voltage and capacitance-voltage characteristics of Pb(Zr,Ti)O₃ thin films; **Pintilie L**, Boerasu I, Gomes MJM, Zhao T, Ramesh R, Alexe M, JOURNAL OF APPLIED PHYSICS 98 (12): Art. No. 123104 (2005)
6. Metal-ferroelectric-metal heterostructures with Schottky contacts. I. Influence of the ferroelectric properties, **Pintilie L**, Alexe M, JOURNAL OF APPLIED PHYSICS 98 (12): Art. No. 123103 (2005)
7. Epitaxial-quality PZT: insulator or semiconductor?; **Pintilie L**, Lisca M, Alexe M, JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 8 (1): 7-12 (2006)
8. Intrinsic ferroelectric properties of strained tetragonal PbZr_{0.2}Ti_{0.8}O₃ obtained on layer-by-layer grown, defect-free single-crystalline films ; Vrejoiu I, Le Rhun G, **Pintilie L**, Hesse D, Alexe M, Gosele U, ADVANCED MATERIALS 18 (13): 1657 (2006)
9. Ferroelectric polarization-leakage current relation in high quality epitaxial Pb(Zr, Ti)O₃ films **Pintilie L**, Vrejoiu I, Hesse D, LeRhun G, Alexe M, PHYSICAL REVIEW B 75 (10): Art. No. 104103 (2007)
10. Extrinsic contributions to the apparent thickness dependence of the dielectric constant in epitaxial Pb(Zr,Ti)O₃ thin films; **L. Pintilie**, I. Vrejoiu, D. Hesse, G. LeRhun, and M. Alexe, PHYS. REV. B **75**, 224113 (2007)
11. The influence of the top-contact metal on the ferroelectric properties of epitaxial ferroelectric Pb(Zr_{0.2}Ti_{0.8})O₃ thin films, **Pintilie L**, Vrejoiu I, Hesse D, M. Alexe, JOURNAL OF APPLIED PHYSICS **104**(11), **114101** Published: **DEC 1 (2008)**

Lista lectiilor invitate

1. *Pintilie, L.* and *M. Alexe*.

Pb-based ferroelectrics: Insulators or semiconductors?

17th International Symposium on Integrated Ferroelectrics (ISIF 2005), Shanghai, China, 19 - 22.04.2005.

2. *Pintilie, L.*, *M. Lisca*, and *M. Alexe*.

Epitaxial quality PZT: Insulator or semiconductor?

6th International Balkan Workshop on Applied Physics, Constanta, Romania. 05 - 07.07.2005.

3. *Pintilie, L.*, *I. Vrejoiu*, *G. Le Rhun*, *D. Hesse*, and *M. Alexe*.

Electrical characterization of ferroelectric thin films: Intrinsic versus extrinsic contributions to material properties.

European Materials Research Society Spring Meeting (E-MRS), Nice, France, 29.05. - 2.06.2006.

4. *Pintilie, L.*, *I. Vrejoiu*, *G. Le Rhun*, *D. Hesse*, *M. Alexe*, and *U. Gosele*.

Current-voltage characteristics of epitaxial Pb(Zr,Ti)O₃ films and the influence of polarization of the Schottky barrier.

18th International Symposium on Integrated Ferroelectrics, Honolulu, USA, 23. - 28.04.2006.

5. *Pintilie, L.*, *I. Vrejoiu*, *M. Alexe*, *D. Hesse*, and *U. Gosele*.

Effect of metal electrodes on the electric properties of ferroelectric thin films.

8th International Balkan Workshop of Applied Physics, Constanta, Romania, 05. - 07.07.2007.

6. *Alexe, M.*, *M.-W. Chu*, *L. Pintilie*, and *D. Hesse*.

Interface effects in nanoscale ferroelectric structures.

17th International Symposium on Integrated Ferroelectrics (ISIF 2005), Shanghai, China, 17. - 20.04.2005.

7. *Alexe, M.*, *L. Pintilie*, and *D. Hesse*.

The role of interfaces in nanosize ferroelectric oxides.

Fruhjahrstagung des Arbeitskreises Festkorperphysik der Deutschen Physikalischen

Gesellschaft, Berlin, Germany, 04. - 09.03.2005.

8. *Alexe, M., L. Pintilie, I. Vrejoiu, G. Le Rhun, D. Hesse, and U. Gosele.*

Role of interfaces and extended defects in perovskite thin films.

European Materials Research Society Spring Meeting (E-MRS), Nice, France.
29.05. - 02.06.2006.

9. *Le Rhun, G., I. Vrejoiu, L. Pintilie, D. Hesse, M. Alexe, and U. Gosele.*

Ferroelastic domain wall mobility in ferroelectric thin films.

8th European Conference on Applications of Polar Dielectrics, Metz, France.
05. - 08.09.2006.

10. *Alexe, M., L. Pintilie, I. Vrejoiu, D. Hesse, G. Le Rhun, I. B. Misirlioglu, and U. Gosele.*

Electronic properties of all-oxide metal-ferroelectric interfaces.

Materials Research Society Spring Meeting (MRS), San Francisco, USA.
10. - 13.04.2007.

11. *Hesse, D., I. Vrejoiu, D. H. Bao, K. Boldyreva, L. Pintilie, and M. Alexe.*

Microstructure-property relations of epitaxial ferroelectric oxide thin films, superlattices, and nanostructure arrays prepared by PLD.

9th International Conference on Laser Ablation (COLA 2007), Tenerife, Spain.
24. - 28.09.2007.

12. *Lucian Pintilie*

ADVANCED ELECTRICAL CHARACTERIZATION OF FERROELECTRIC THIN FILMS: FACTS AND ARTIFACTS

9th International Balkan Workshop on Applied Physics, Constanta, Romania, 7-9.07.2008

13. *L. Pintilie, V. Stancu, C. Dragoi, L. Trupina, M. Vlaicu*

Ferroelectric multilayers

4th International Conference on Materials Science and Condensed Matter Physics, Chisinau, Moldova, 23-26.09.2008

14. *L. Pintilie*

Advanced electrical characterization of ferroelectric thin films and multilayers.

EMRS Spring Meeting, Strasbourg, France; Symposium J: Synthesis, Processing and Characterization of Nanoscale Functional Oxide Films, 9-12 June 2009.

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