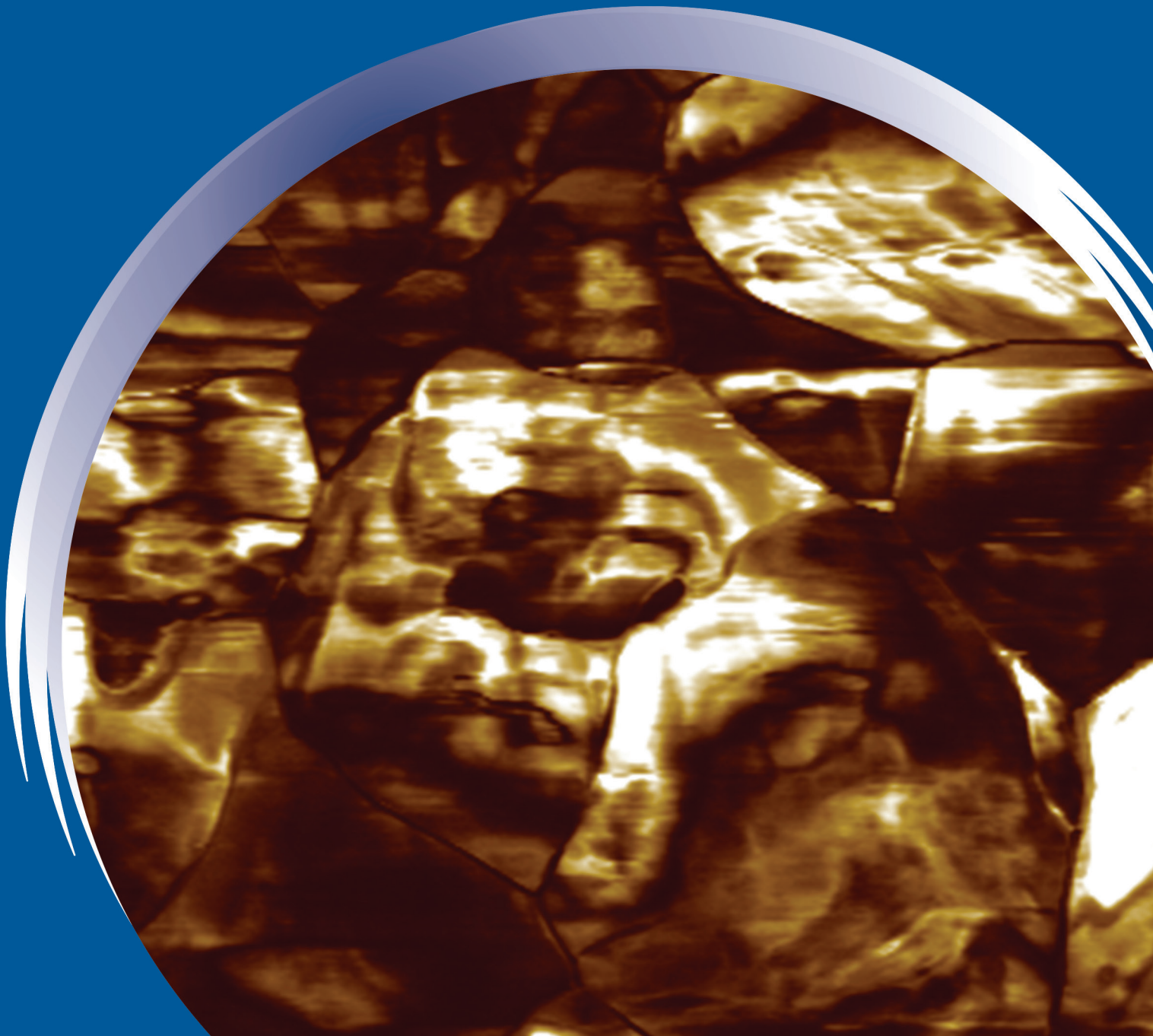


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Doctoral theses on Microelectronics, Electronic Components and Materials in Slovenia in 2016

Univerza v Ljubljani / University of Ljubljana

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1	Avtor Author	Vladimir Furlan
	Naslov Title	Frekvenčno nastavljiva antena z visokim izkoristkom na feroelektriku Frequency-agile, highly-efficient antenna on ferroelectric substrate
	Mentor Supervisor	prof. dr. Matjaž Vidmar
2	Avtor Author	Mario Trifković
	Naslov Title	Zmanjšanje preklopnega šuma v sinhronih digitalnih vezjih na osnovi razporejanja signala ure Switching noise reduction in synchronous digital circuit based on clock skew scheduling
	Mentor Supervisor	prof. dr. Drago Strle
3	Avtor Author	Tine Dolžan
	Naslov Title	Napredne membranske mikročrpalke s piezoelektričnim vzbujanjem na osnovi PDMS elastomera Advanced piezoelectrically actuated membrane micropumps based on PDMS elastomer
	Mentor Supervisor	dr. Danilo Vrtačnik
4	Avtor Author	Matija Podhraški
	Naslov Title	Integrirani mikrosenzorski sistemi z mikrotuljavicami Integrated microsensor systems with microcoils
	Mentor Supervisor	prof. dr. Janez Trontelj

5	Avtor Author	Uroš Nahtigal
	Naslov Title	Integrirani barvni senzor svetlobe z velikim dinamičnim območjem Integrated color light sensor with high dynamic range
	Mentor Supervisor	prof. dr. Drago Strle
6	Avtor Author	Luka Bogataj
	Naslov Title	Zasnova in izvedba visokostabilnega optoelektronskega oscilatorja Design and implementation of a highly-stable optoelectronic oscillator
	Mentor Supervisor	prof. dr. Matjaž Vidmar
7	Avtor Author	Blaž Kirn
	Naslov Title	Zmogljivost sončnih fotonapetostnih elektrarn skozi življenjski cikel Life cycle performance of solar photovoltaic power plants
	Mentor Supervisor	prof. dr. Marko Topič

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1	Avtor Author	Janko Horvat
	Naslov Title	Regulirana prožilna stopnja za močnostne tranzistorje Controlled gate driver for power transistors
	Mentor Supervisor	prof. dr. Miro Milanovič
2	Avtor Author	Aleksandar Dodić
	Naslov Title	Korekcijski faktorji koeficientov digitalnih struktur pri spremembi frekvence vzorčenja Correctio factors of digital structure coefficients at sampling frequency change
	Mentor Supervisor	prof. dr. Zmago Brezočnik

3	Avtor Author	Uroš Pešovič	
	Naslov Title	Model verjetnosti pogreškov IEEE 802.15.4 brezžičnega prenosa pri so-kanalski interferenci in šumu ozadja Error probability model for IEEE 802.15.4 wireless transmission with co-channel interference and background noise	
	Mentor Supervisor	prof. dr. Peter Planinšič	

4	Avtor Author	Marijan Španer	
	Naslov Title	Superkondenzator in energijska izkoriščenost baterijsko napajanih vozil Supercapacitor and energy efficiency of battery powered vehicles	
	Mentor Supervisor	prof. dr. Karel Jezernik	

Mednarodna podiplomska šola Jožefa Stefana / Jožef Stefan

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1	Avtor Author	Rok Rudež	
	Naslov Title	Razvoj debeloplastne oksidne elektronske keramike Development of thick-film oxide-based electronic ceramics	
	Mentor Supervisor	prof. dr. Slavko Bernik	

2	Avtor Author	Mojca Presečnik	
	Naslov Title	Mikrostrukturne in termoelektrične lastnosti keramike tipa p v sistemu Ca-Co-O Microstructural and thermoelectric characteristics of p-type ceramics in the Ca-Co-O system	
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3	Avtor Author	Tina Bakarič		
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	Mentor Supervisor	Dr. Danjela Kuščer Hrovatin	Somentor Co-Supervisor	Dr. Tadej Rojac

4	Avtor Author	Jitka Hreščak		
	Naslov	Sinteza in karakterizacija nedopirane in s stroncijem dopirane keramike na osnovi kalijevega natrijevega niobata		
	Title	Synthesis and characterization of undoped and strontium-doped potassium sodium niobate ceramics		
	Mentor Supervisor	Dr. Andreja Benčan	Somentor Co-Supervisor	Prof. dr. Barbara Malič
5	Avtor Author	Marko Vrabelj		
	Naslov	Raziskave elektrokaličnega pojava v polikristaliničnem relaksorskem feroelektriku $0.9\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.1\text{PbTiO}_3$ $0.9\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3-0.1\text{PbTiO}_3$		
	Title	Investigations of the electrocaloric effect in the polycrystalline $0.9\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_{3-0.1}\text{PbTiO}_{30.9}\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_{3-0.1}\text{PbTiO}_3$ relaxor ferroelectric		
	Mentor Supervisor	Prof. dr. Barbara Malič		
6	Avtor Author	Tanja Pečnik		
	Naslov	Mikrostruktura in dielektrične lastnosti tankih plasti $(\text{Ba,Sr})\text{TiO}_3$ $(\text{Ba,Sr})\text{TiO}_3$, pripravljenih s sintezo v raztopini		
	Title	Microstructure and dielectric properties of solution-derived $(\text{Ba,Sr})\text{TiO}_3$ $(\text{Ba,Sr})\text{TiO}_3$ thin films		
	Mentor Supervisor	Prof. dr. Barbara Malič		
7	Avtor Author	Evgeniya Khomyakova		
	Naslov	Integracija debelih plasti bizmutovega ferita na keramične in kovinske podlage z metodo sitotiska		
	Title	Integration of screen-printed bismuth ferrite thick films onto ceramic and metal substrates		
	Mentor Supervisor	Dr. Andreja Benčan Golob	Somentor Co-Supervisor	Dr. Tadej Rojac

Bold font is used for the original title of the thesis (and language in which the thesis is written), normal font for title translation.

MIDEM 2017

53rd INTERNATIONAL CONFERENCE ON MICROELECTRONICS, DEVICES AND MATERIALS WITH THE WORKSHOP ON MATERIALS FOR ENERGY CONVERSION AND THEIR APPLICATIONS



Announcement and Call for Papers

October 4th – 6th, 2017

Jožef Stefan Institute, Ljubljana, Slovenia

ORGANIZER: MIDEM Society - Society for Microelectronics, Electronic Components and Materials, Ljubljana, Slovenia

CONFERENCE SPONSORS: Slovenian Research Agency, Republic of Slovenia; IMAPS, Slovenia Chapter; IEEE, Slovenia Section;

GENERAL INFORMATION

The 53rd International Conference on Microelectronics, Electronic Components and Devices with the Workshop on Materials for Energy Conversion and Their Applications continues a successful tradition of the annual international conferences organised by the MIDEM Society, the Society for Microelectronics, Electronic Components and Materials. The conference will be held at **Jožef Stefan Institute, Ljubljana, Slovenia, leading Slovenian scientific research institute, from OCTOBER 4th – 6th, 2017.**

Topics of interest include but are not limited to:

- Workshop focus: Materials for Energy Conversion and Their Applications:
- Electrocalorics and Thermoelectrics
- Novel monolithic and hybrid circuit processing techniques,
- New device and circuit design,
- Process and device modelling,
- Semiconductor physics,
- Sensors and actuators,

- Electromechanical devices, Microsystems and nanosystems,
- Nanoelectronics
- Optoelectronics,
- Photonics,
- Photovoltaic devices,
- New electronic materials and applications,
- Electronic materials science and technology,
- Materials characterization techniques,
- Reliability and failure analysis,
- Education in microelectronics, devices and materials.

ABSTRACT AND PAPER SUBMISSION:

Prospective authors are cordially invited to submit up to 1 page abstract before **May 1st, 2017**. Please, identify the contact author with complete mailing address, phone and fax numbers and e-mail address. After notification of acceptance (**June 15th, 2017**), the authors are asked to prepare a full paper version of six pages maximum. Papers should be in black and white. Full paper deadline in PDF and DOC electronic format is: **August 31st, 2017**.

IMPORTANT DATES:

Abstract deadline: **May 1st, 2017** (1 page abstract or full paper)


Notification of acceptance: **June 15th, 2017**

Deadline for final version of manuscript: **August 31st, 2017**

Invited and accepted papers will be published in the conference proceedings.

Detailed and updated information about the MIDEM Conferences is available at

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