

# **2016 17th Latin-American Test Symposium (LATS 2016)**

**Foz do Iguacu, Brazil  
6 – 8 April 2016**



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## Wednesday, 6th April 2016

### 08:00 - 09:00 Registration

### 09:00 - 09:20 Opening Session

#### General Chairs:

Letícia Maria Bolzani Poehls – PUCRS, Brazil;  
Yervant Zorian – Synopsys, USA

#### Program Chairs:

Matteo Sonza Reorda – Politecnico di Torino, Italy;  
Tiago Balen – UFRGS, Brazil

### 09:20 - 10:00 Keynote Talk

#### The Hype, Myths, and Realities of Testing 2.5D/3D Integrated Circuits ....1

Krishnendu Chakrabarty – Duke University, USA  
*Chair: Bernd Becker – University of Freiburg, Germany*

### 10:00 - 10:20 Coffee Break

### 10:20 - 11:00 Session 1

#### Fault Tolerant Architectures

*Chair: Mario Schölzel – IHP, Germany*

#### On the Analysis of the Effects of Soft Errors on Compression Algorithms ....14

Massimo VIOLANTE, Matteo SONZA REORDA,  
Serhiy AVRAMENKO (Politecnico di Torino, Italy),  
G. FEY (DLR, Germany)

#### A Comprehensive Approach to Fault Tolerance (Invited presentation) ....20

Zoran STAMENKOVIC, Vladimir PETROVIC (IHP,  
Germany)

### 11:00 - 12:00 Session 2

#### Microprocessor Test and Reliability

*Chair: Fernanda Kastensmidt – UFRGS, Brazil*

#### Auxiliary IP Blocks for Early Dependability Analysis of Small Processor based Systems....21

Jorge BARBOZA, Jose BASUALDO, Julio PEREZ  
(Universidad de la Republica, Uruguay)

#### Dependability Evaluation of COTS Microprocessors via On-Chip Debugging Facilities ....27

Jose ISAZA-GONZALEZ, Alejandro SERRANO-  
CASES (University of Alicante, Spain), Felipe  
RESTREPO-CALLE (Universidad Nacional de  
Colombia, Colombia), Sergio CUENCA-ASENSI,  
Antonio MARTÍNEZ-ÁLVAREZ (University of  
Alicante, Spain)

#### A Comprehensive Software-Based Self- Test and Self-Repair Method for Statically Scheduled Superscalar Processors ....33

Mario SCHÖLZEL (IHP and University of Potsdam,  
Germany)

### 12:00 - 13:40 Lunch

### 13:40 - 14:20 Invited Talk

#### Accessing On-Chip Instruments through the System's Life-Time ....2

Erik Larsson – Lund University, Sweden  
*Chair: Francisco Russi – Synopsys, USA*

### 14:20 - 15:20 Session 3

#### Fault Modeling and Simulation

*Chair: Victor Champac – INAOE, Mexico*

#### A Probabilistic Model for Stuck-On Faults in Combinational Logic Gates ....39

Rafael SCHIVITZ (FURG, Brazil), Denis FRANCO  
(UFPEL, Brazil), Cristina MEINHARDT (FURG,  
Brazil), Paulo BUTZEN (FURG, Brazil)

#### Fault model qualification by assertion mining....45

Graziano PRAVADELLI, Alessandro DANESE  
(University of Verona, Italy)

#### A Control Path Aware Metric for Grading Functional Test Vectors ....51

Kelson GENT (Virginia Polytechnic Institute and  
State University, USA), Michael HSIAO (Virginia  
Tech, USA)

### 15:20 - 15:40 Coffee Break

### 15:40 - 16:40 Session 4

#### Fault Tolerance in SoCs and NoCs

*Chair: Robert Aitken – ARM, USA*

#### On the Consolidation of Mixed Criticalities Applications on Multicore Architectures ....57

Massimo VIOLANTE, Stefano ESPOSITO, Serhiy  
AVRAMENKO (Politecnico di Torino, Italy)

#### Using Traffic Monitors to Tolerate Multiple Faults in 3D NoCs ....63

Anelise KOLOGESKI, Henrique Colao ZANUZ,  
Fernanda KASTENSMIDT (UFRGS, Brazil)

#### On-line Fault Classification and Handling in IEEE 1687 Based Fault Management System for Complex SoCs ....69

Konstantin SHIBIN (Tallinn University of  
Technology, Estonia), Artur JUTMAN (Testonica  
Lab, Estonia), Sergei DEVADZE (Tallinn University  
of Technology, Estonia)

### 16:40 - 17:40 Session 5

#### NBTI Modeling and Mitigation

Chair: *Zoran Stamenkovic – IHP, Germany*

#### Gate-Level Modelling of NBTI-Induced Delays under Process Variations ....75

Thiago Santos COPETTI, Guilherme MEDEIROS, Leticia BOLZANI POEHLS, Fabian VARGAS (PUCRS, Brazil), Sergei KOSTIN, Maksim JENIHHIN, Jaan RAIK, Raimund UBAR (Tallinn University of Technology, Estonia)

#### A Methodology to Assure Circuit Reliability at Reduced Power Consumption using Dual Supply Voltage ....81

Freddy FORERO, Andres GOMEZ, Victor CHAMPAC (INAOE, Mexico)

#### Analyzing NBTI Impact on SRAM Cells with Resistive-Open Defects ....87

Marco MARTINS, Guilherme CARDOSO MEDEIROS, Thiago Santos COPETTI, Fabian VARGAS, Leticia Maria BOLZANI POEHLS (PUCRS, Brazil)

### 17:40 - 18:40 Panel 1

#### Radiation Facilities in South America

Organizers: *Raoul Velazco (INPG, TIMA, France) and Fernanda Kastensmidt (UFRGS, Brazil)*

panelists: Raoul VELAZCO (INPG, TIMA, France), Nahuel VEGA (CONAE, Argentina), Fernanda KASTENSMIDT (UFRGS, Brazil) and Fabian VARGAS (PUCRS, Brazil)

### 18:40 - 19:20 LA TTTC Meeting \*

\* open, optional activity

### 20:00 - 22:00 Welcome Cocktail

## Thursday, 7th April 2016

### 09:00 - 09:40 Invited Talk

#### Known Unknowns - Knowledge in the Presence of Unknowns ....5

**Bernd Becker** - University of Freiburg, Germany

Chair: *Hans-Joachim Wunderlich – University of Stuttgart, Germany*

### 09:40 - 10:20 Session 6

#### Soft Errors in Memory and Processors

Chair: *Fabian Vargas – PUCRS, Brazil*

#### Evaluating the Effects of Single Event Upsets in Soft-core GPGPUs ....93

Werner NEDEL, Fernanda KASTENSMIDT (UFRGS, Brazil), José AZAMBUJA (FURG, Brazil)

#### Hybrid Soft Error Mitigation Techniques for COTS Processor-based Systems ....99

Eduardo CHIELLE (UFRGS, Brazil), Boyang DU (Politecnico di Torino, Italy), Fernanda KASTENSMIDT (UFRGS, Brazil), Sergio CUENCA-ASENSI (University of Alicante, Spain), Luca STERPONE, Matteo SONZA REORDA (Politecnico di Torino, Italy)

### 10:20 - 10:40 Coffee Break

### 10:20 - 11:00 Poster Session

Chair: *Leticia Maria Bolzani Poehls – PUCRS, Brazil*

#### On Automatic Software-Based Self-Test Program Generation Based on High-Level Decision Diagrams ....177

Artjom JASNETSKI, Raimund UBAR, Anton TSERTOV (Tallinn University of Technology, Estonia)

#### A Deep Analysis of SEU Consequences in the Internal Memory of LEON3 Processor ....178

Raoul VELAZCO, Afef KCHAOU (TIMA, France), Wajih EL HADJ YOUSSEF (LEME, Tunisia), Fraidy BOUESSE, Pablo RAMOS (TIMA, France)

#### Software Errors Analysis at the Zynq SoC ARM Embedded Processor ....179

Gennaro RODRIGUES, Fernanda KASTENSMIDT (UFRGS, Brazil)

#### Reliability Analysis of Majority Voters under Permanent Faults ....180

Eduardo LIEBL, Cristina MEINHARDT, Paulo BUTZEN (FURG, Brazil)

#### Single Trojan Injection Model Generation and Detection ....181

Daniel SAAB (CWRU, USA), Jacob ABRAHAM (University of Texas, USA), Harini BHAMIDIPATI (LSI Logic, USA)

#### Checksum Based Error Detection in Linearized Representations of Non Linear Control Systems....182

Suvadeep BANERJEE, Abhijit CHATTERJEE (Georgia Institute of Technology, USA), Jacob ABRAHAM (University of Texas, USA)

### 11:00 - 12:00 Session 7

#### Radiation Effects and Mitigation

Chair: *Raoul Velazco – INPG and TIMA, France*

#### Radiation Effects in Low Power and Ultra Low Power Voltage References ....111

Daniel FUSCO, Tiago BALEN (UFRGS, Brazil)

**Fault Simulation in Radiation-Hardened SOI CMOS VLSIs using Universal Compact MOSFET Model ....117**

Konstantin PETROSYANTS, Lev SAMBURSKY, Igor KHARITONOV, Boris LVOV (Moscow Institute of Electronics and Mathematics of National Research University "Higher School of Economics", Russia)

**Performance Evaluation of Radiation Hardened Analog Circuits based on Enclosed Layout Geometry ....123**

Guilherme CARDOSO, Tiago BALEN (UFRGS, Brazil)

**12:00 - 13:00 Panel 2**

**Hardware Security and Trust**

*Organizers: Ramesh Karri (Polytechnic School of Engineering, New York University, USA) and Ozgur Sinanoglu (New York University in Abu Dhabi, UAE)*

*Coordinator: Fabian Vargas (PUCRS, Brazil)*

*Panelists: Michail MANIATAKOS (New York University Abu Dhabi, UAE), Krishnendu Chakrabarty (Duke University, USA), and Yervant Zorian (Synopsys, USA)*

**13:00 - 14:30 Lunch**

**14:30 - 18:30 Social Event**

**20:30 - 23:30 Gala Dinner**

**Friday, 8th April 2016**

**09:00 - 09:40 Invited Talk**

**Transforming Nanodevices into Nanosystems: The N3XT 1,000X ....6**

**Subhasish Mitra** – Stanford University, USA

*Chair: Pierre-Emmanuel Gaillardon – University of Utah, USA*

**09:40 - 10:20 Session 8**

**Defect Based Test and Silicon Validation**

*Chair: Erik Larsson – Lund University, Sweden*

**Comparative study of Bulk, FDSOI and FinFET technologies in presence of a resistive short defect ....129**

Amit KAREL, Mariane COMTE, Jean-Marc GALLIERE, Florence AZAIS, Michel RENOVELL (LIRMM, France)

**On-Silicon Validation of a Benchmark Generation Methodology for Effectively Evaluating a Combinational Cell Library Design ....135**

Mauricio CARVALHO, Mauricio ALTIERI, Lauro PURICELLI (UFRGS, Brazil), Paulo BUTZEN (FURG, Brazil), Renato RIBAS, Eric FABRIS (UFRGS, Brazil)

**10:20 - 10:40 Coffee Break**

**10:40 - 11:40 Session 9**

**Embedded Systems and Software Reliability**

*Chair: Graziano Pravadelli – University of Verona, Italy*

**A Framework for Early Functional Verification of Embedded Software Combining Virtual Platforms and Bounded Model Checking ....141**

Rogério PALUDO, Djones LETTNIN (UFSC, Brazil)

**Soft Error Analysis in Embedded Software Developed with & without Operating System....147**

Luiz CASAGRANDE, Fernanda KASTENSMIDT (UFRGS, Brazil)

**A HW-dependent Software Model for Cross-Layer Fault Analysis in Embedded Systems ....153**

Christian BARTSCH, Carlos VILLARRAGA, Dominik STOFFEL, Wolfgang KUNZ (University of Kaiserslautern, Germany)

**11:40 - 12:20 Special Session 1**

**Dependable MPSoCs**

*Organizer: Fernando Gehm Moraes, (PUCRS, Brazil)*

**Dependable On-Chip Infrastructure for Dependable MPSoCs ....183**

Michael A. KOCHTE, Hans-Joachim WUNDERLICH (University of Stuttgart, Germany)

**A Layered Approach for Fault Tolerant NoC-Based MPSoCs ....189**

Eduardo WACHTER, Francisco BARRETO, Vinicuis FOCHI, Alexandre M. AMORY, Fernando G. MORAES (PUCRS, Brazil)

**12:20 - 14:00 Lunch**

**14:00 - 14:40 Invited Talk**

**Spin Transfer Torque Memories for On-chip Caches: Prospects and Perspectives ....7**

**Kaushik Roy** – Purdue University, USA

*Chair: Yervant Zorian – Synopsys, USA*

## 14:40 - 15:20 Special Session 2

### Emerging Nanotechnologies

Organizer: Subhasish Mitra (Stanford University, USA)

#### Three-Independent-Gate Transistors: Opportunities in Digital, Analog and RF Applications ....195

Pierre-Emmanuel GAILLARDON (University of Utah, USA)

#### Processor-Level Implications of Emerging Technologies

Robert AITKEN (ARM, USA)

## 15:20 - 16:30 PhD & Master Contests

### TTTC's McCluskey Best 2016 Latin American PhD Thesis Contest

#### Master Thesis Contest

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## 16:30 - 16:50 Coffee Break

## 16:50 - 17:50 Session 10

### Verification and System Level Testing

Chair: Jacob Abraham – University of Texas, USA

#### A SystemC-based Platform for Assertion- based Verification and Mutation Analysis in Systems Biology ....159

Nicola BOMBIERI (University of Verona, Italy),  
Rosalba GIUGNO (University of Catania, Italy),  
Franco FUMMI, Carlo LAUDANNA, Rosario  
DISTEFANO, Daniele COATI, Michela MIRENDA  
(University of Verona, Italy)

#### Infrastructure for Formal and Dynamic Verification of Peripheral Programming Model ....165

Walter ENCINAS, Francisco ARAUJO, Harney  
ABRAHIM (Freescale Semicondutores, Brazil)

#### System-Level Diagnosis for WSN: A Heuristic ....171

Mauricio BARROS, Andrea WEBER (UFPR,  
Brazil)

## 17:50 - 18:30 Closing Remarks

### Award Ceremony for the PhD and Master Thesis Contests

#### Additional Papers

#### Proposal of a Functional Safety Methodology Applied to Fault Tolerance in FPGA Applications....8

B. F. Flesch, B. Brand, R. Marques de Figueiredo,  
L. R. Prade, M. Rosa da Silva  
(University of Bells River Valley, Brazil)

#### Attacking the Smart Grid using Public Information....105

C. Konstantinou (Polytechnic School of Engineering,  
New York University, USA)  
M. Sazos (Center for Cyber Security, New York  
University in Abu Dhabi, UAE)  
M. Maniatakos (New York University in Abu Dhabi, UAE)

## Saturday, 9th April 2016

## 09:00 - 12:00 TTEP 1

### Hierarchical Test for Today's SOC and IoT

Yervant Zorian - Synopsys, USA

## 14:00 - 17:00 TTEP 2

### Combining Structural and Functional Test Approaches across System Levels

Artur Jutman - Testonica Lab, Estonia

Hans-Joachim Wunderlich - University of  
Stuttgart, Germany

Matteo Sonza Reorda - Politecnico di Torino, Italy

#### General Chairs:

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