

INFINEON Technologies Romania as a center of competences

Bld. Dimitrie Pompeiu 6,
Sector 2
20337 Bucharest

Brussels, 8th of May 2009



Dr. Mihaela Ionita
Funding coordinator



Never stop thinking

We focus on our Target Markets

Key Trends

- Energy Efficiency
- Communications
- Security

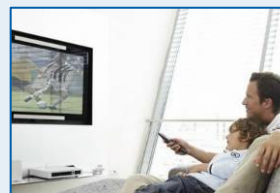


Core Competencies

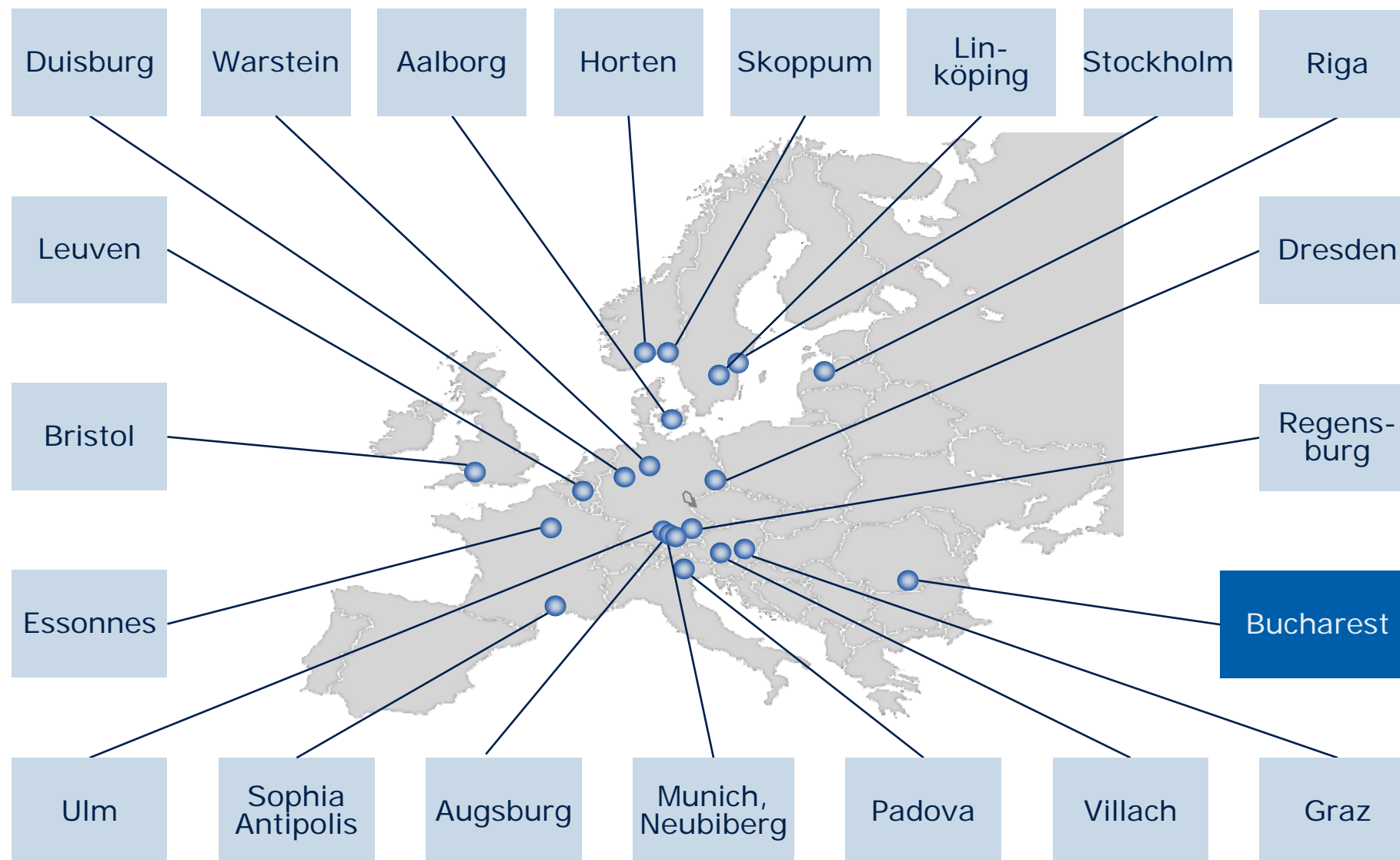
- Analog/Mixed Signal
- RF
- Power
- Embedded Control

Our Target Markets

- Automotive
- Industrial Electronics
- Chip Card & Security
- Mobile Phone Platforms
- Broadband Access



Infineon - R&D Network in Europe



Infineon Technologies in Romania

- Founded in April 2005
- Located in northern part of Bucharest
- Good public transport (tram, metro)
- 160+ employees as of today
- 3500 m² office,
research and
laboratory area



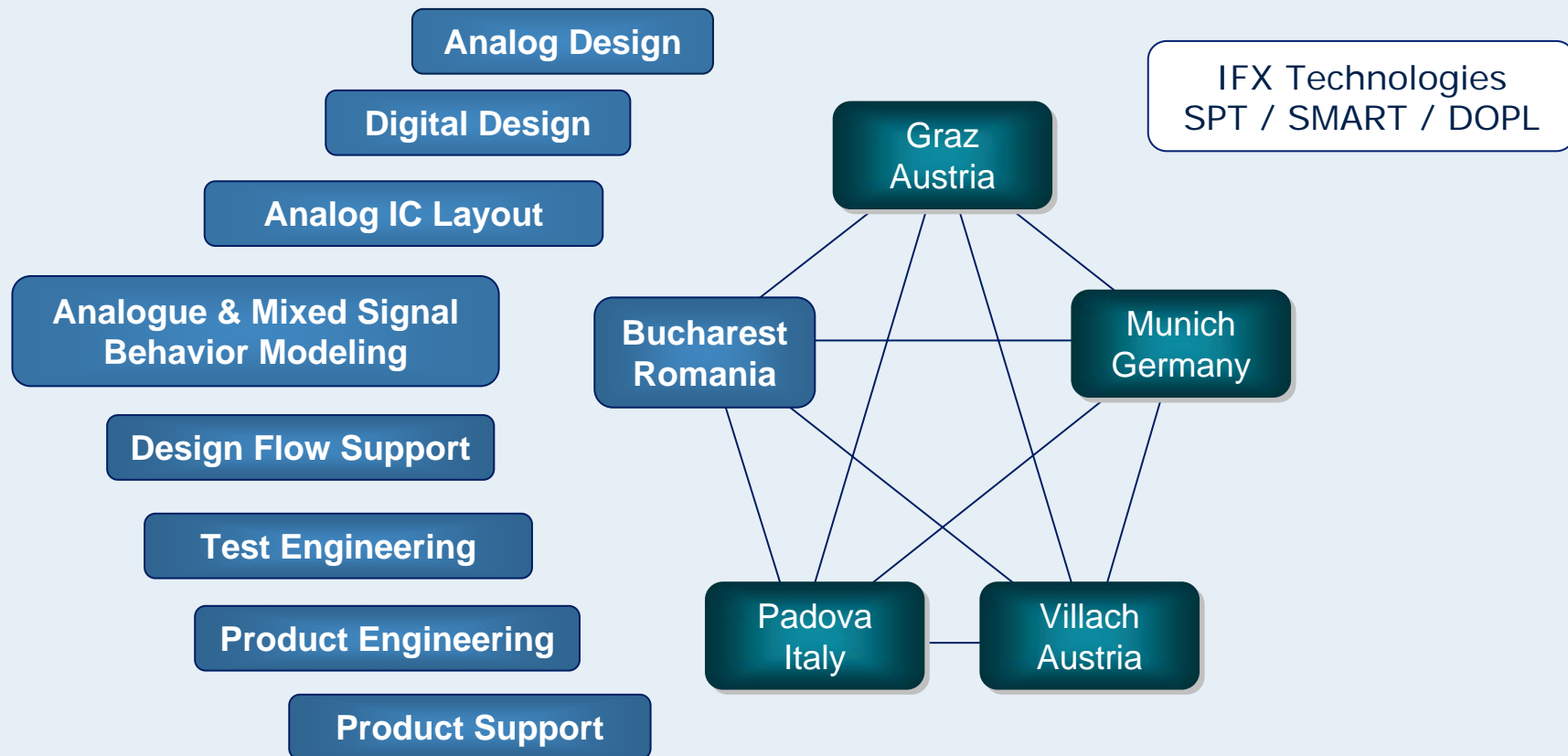
- General Manager Dr. Michael Neuhäuser

Development Center Bucharest

Automotive key areas of expertise



- Automotive research framework based on strong R&D centers
- The R&D Center Bucharest is strengthening the research community for Smart Power Semiconductors



Development Center Bucharest

Automotive Projects



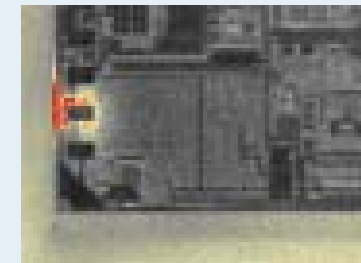
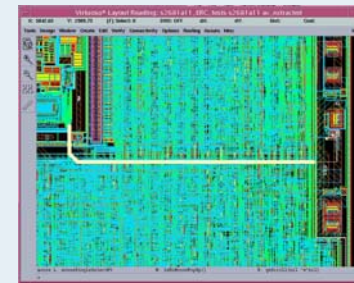
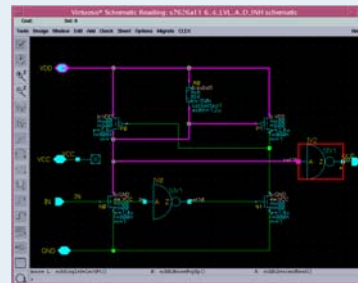
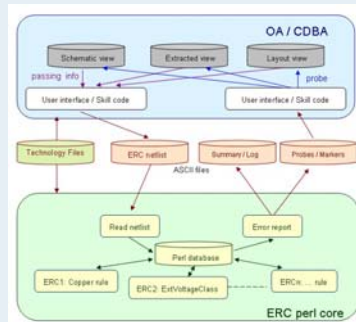
Automotive Development Center Bucharest concentrates on power semiconductors with analog and digital functions (power mixed signals) for automotive and industrial applications.



Technology & Methodology Automotive Innovation projects

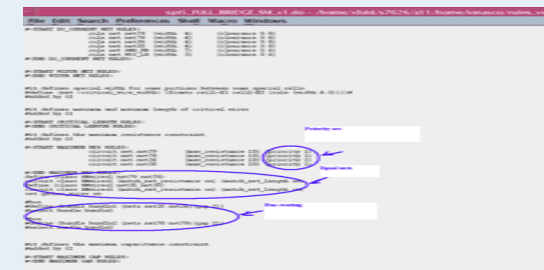
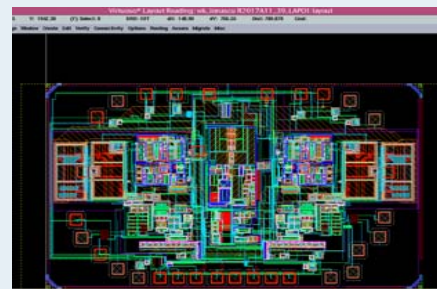
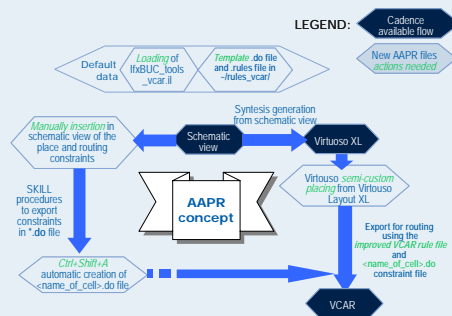


- High Voltage Electrical Rule Checking (HV_ERC) *Feb 2006 / Sept 2012*
zero defect culture within smart power design by automation of the lessons learned



marcel.preda@infineon.com

- Automation Analog Power Routing (AAPR) *Apr 2007 / Sept 2010*
semi-custom place and route for Automotive Power - Analog and Mixed Signal Designs



odin.ciocica@infineon.com

cristian.ionascu@infineon.com

Chip Card & Security Applications:

Bucharest is a development center of the IFX chip card business



		Contact-based devices	Contact-less devices	Other Security devices
	Payment Credit / Debit E-purse			
	Communications Mobile Communication Prepaid Telecom			
	Entertainment Pay-TV, Gaming Video/Audio			
	Gov't Identification E-Passport, National ID Driver License Social and Health Cards			
	Personal Identification Physical and IT Access Transport, Ticketing, Membership & Loyalty Cards			
	Object Identification Platform Security, Logistics Production & Asset Management Brand Protection			

Summary

Strengthen

- Complete chain AMS design
- Know how Lead in key competences
- Contribution to technology pilot projects
- University Relations

Long term added value over

- Strengthening Romanian semiconductor industry
- IP generation
- New partners over funding projects
- People networking



We commit.
We innovate.
We partner.
We create value.

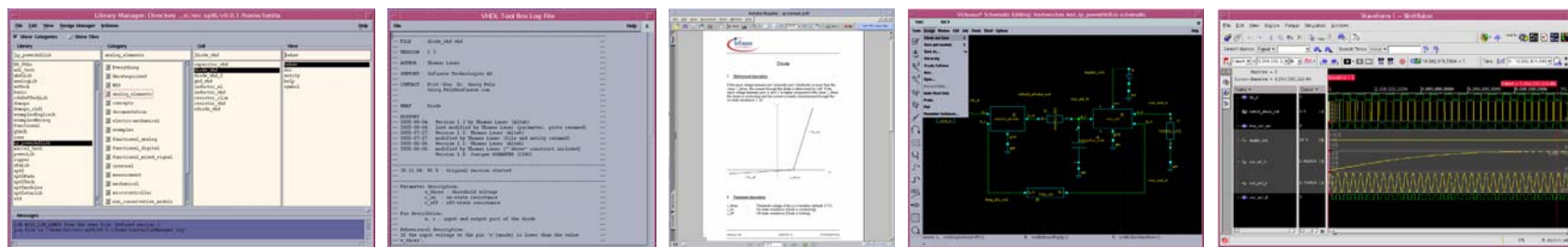


Never stop thinking

TM – methodology innovation projects

■ AMS Behavioral Modeling *Sept 2005 / general*

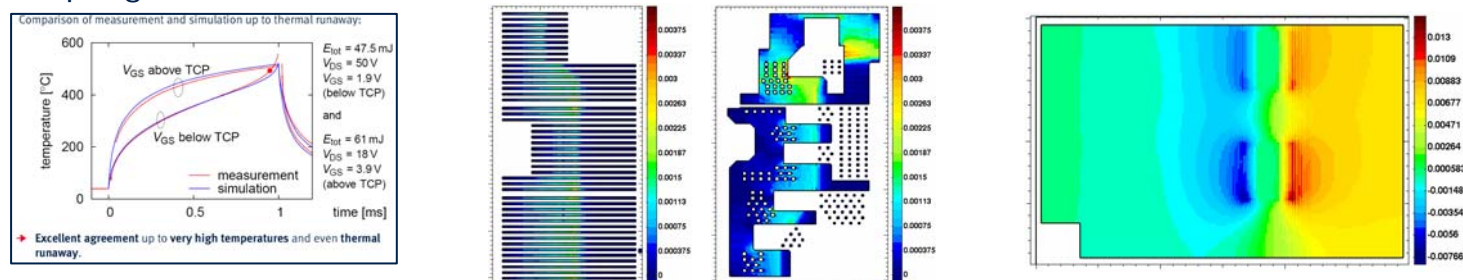
offering support during concept phase, validation during development, on the customer request.



cristian.dolea@infineon.com

■ Power transistors sizing flow *general*

coupling of electrical and thermal simulators



martin.pfost@infineon.com