



CRETE CENTER FOR  
QUANTUM COMPLEXITY  
AND NANOTECHNOLOGY

KICK OFF MEETING



# The QCN Center at a glance

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- ▶ **REGPOT PROGRAM**
- ▶ **1 September 2013 –28 February 2017**
- ▶ **25 faculty and researchers**
- ▶ **9 Partner Institutions**
- ▶ **Over 15 postdoctoral associates and senior associates**
- ▶ **Three full time employees**
- ▶ **Conference organization, scientific exchanges, enhanced research activity**





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- ▶ New experimental equipment
- ▶ Create a High Performance Computational Center
- ▶ Form of a local CENTER OF EXCELLENCE in Theoretical, Computational and Experimental Physics and Materials Science with long term viability
- ▶ Connect with the local economy and induce smart specialization





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- ▶ Physics Department External Evaluation 2009
- ▶ Leading research department in Greece
- ▶ Close interaction with the Institute of Electronic Structure and Laser of FORTH





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### LIST OF WORK PACKAGES (WP)

WP Number <sup>63</sup>	WP Title	Type of activity <sup>64</sup>	Lead beneficiary number <sup>65</sup>	Person-months <sup>66</sup>	Start month <sup>67</sup>	End month <sup>68</sup>
WP 1	Strengthening the research potential of the QCN Center	SUPP	1	512.00	1	36
WP 2	Infrastructure	SUPP	1	8.00	1	36
WP 3	Personnel exchanges, twinning and international visits	SUPP	1	4.00	1	36
WP 4	Workshop organization, outreach and dissemination	SUPP	1	10.00	1	36
WP 5	Management and International Advisory Committee	MGT	1	96.00	1	36
WP 6	Organization and management of Intellectual Property and Innovation Capability	SUPP	1	3.00	1	36
WP 7	Project evaluation	SUPP	1	6.00	37	42
				<b>Total</b>	<b>639.00</b>	





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## International Advisory Committee

Bernard Buchner, Leibnitz Institute, Dresden, Germany  
Siddharth S. Saxena, Cambridge University, U.K.  
Johannes Zaanen, Leiden University, Netherlands





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## List of partnering organizations

Participant number	Participant Organization Name	Country
1	Max Planck Institute for Dynamics and Self Organization, Goettingen	Germany
2	Leibniz Institute for Solid State and Materials Research (IFW), Dresden	Germany
3	Cambridge University	UK
4	Leiden University	Netherlands
5	Laboratory of Analysis and Architecture of Systems (LAAS-CNRS), Toulouse	France
6	Technion, Haifa	Israel
7	University of Goningen	Netherlands
8	Karlsruhe Institute of Technology (KIT)	Germany
9	Ecole Normal Superier, Paris	France





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## Detailed List of Deliverables

No	Deliverable	Date (Project Month)
1.1.1	Job advertisement for the recruitment of (SER) 1.1.1.	1
1.1.2	Evaluation Report for SER candidates and job contracts	1-36
1.2.1	Job advertisement for the recruitment of ERs	1
1.2.2	Evaluation Report for ER candidates and job contracts	1-36
5.1	Web Site construction and Updating	1-36
3.1.	Kick-off meeting summary report	3
2.1	Specifications and offer documents for equipment	3
2.2	Specifications and offer for computing facility	3







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## Detailed List of Deliverables

No	Deliverable	Date (Project Month)
4.2.	Announcement of first year 's workshops	6
5.2	First Advisory Report of the IEC	12
4.3	Announcement of the Second year's workshops	12
2.3	Report on equipment installation	18
2.4	Report on installation of high performance computing facility	18
3.1	Midterm report on twinning actions and travel	18
5.3	Midterm report of the MC	18





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## Detailed List of Deliverables

No	Deliverable	Date (Project Month)
6.1	Guide to IPRs and patents	18
4.4.	Announcement of third year workshops and conference	24
5.4	Second Advisory Report of the IAC	30
3.2	Final report on twinning actions and travel	36
6.2	Guide to innovation exploitation	36
5.5	Final Report of the MC	36
7.1	Internal evaluation report	39
7.2	External evaluation report	42





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- ▶ Physics of Complex Systems
- ▶ Complex materials
- ▶ Quantum and superconducting metamaterials
- ▶ Graphene physics and technology
- ▶ Topological insulators and field theory in condensed matter physics
- ▶ Quantum magnets
- ▶ Biological physics and quantum biology
- ▶ Nanoscopic, optical physics and devices
- ▶ ...





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Looking forward to advancing theoretical and applied science and to fruitful interaction with the local establishments for further scientific as well as economical development of our region.





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Thank you for your attention

