

First funding period: 2001 - 2005

Clusters	Project title (per 2005)	Leader (name)	Surname	Institute	Institution
none	Self-organized distributed applications in a mobile environment	Aberer	Karl	Faculté Informatique et Communications	EPF Lausanne
none	Wireless sensor networks	Enz	Christian	Institut de microélectronique et de microsystèmes	Centre Suisse d'Electronique et de Microtechnique, Neuchatel
none	System and software architecture	Gross	Thomas	Departement Informatik	ETH Zürich
none	Self-organizing networking mechanisms	Hubaux	Jean-Pierre	Faculté Informatique et Communications	EPF Lausanne
none	Terminodes, wireless e-business models and scenario planning	Pigneur	Yves	Ecole des HEC Lausanne	Université de Lausanne
none	Physical layer and software radio testbed	Rimoldi	Bixio	Faculté Informatique et Communications	EPF Lausanne
none	Information theoretic issues	Telatar	Emre	Faculté Informatique et Communications	EPF Lausanne
none	Communicating embedded systems	Thiele	Lothar	Technische Informatik TIK	ETH Zürich
none	Mathematics of self-organized communications	Thiran	Patrick	Faculté Informatique et Communications	EPF Lausanne
none	Security and cryptographic issues	Vaudenay	Serge	Faculté Informatique et Communications	EPF Lausanne
none	Distributed signal processing and communication	Vetterli	Martin	Faculté Informatique et Communications	EPF Lausanne

Second funding period: 2005 - 2009

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Theory of Self-Organized, Distributed Communication and Information	Information and coding theory for wireless multi-hop networks	Diggavi	Patrick	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Information and coding theory for wireless multi-hop networks	Telatar	Emre	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Information and coding theory for wireless multi-hop networks	Urbanke	Rüdiger	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Network theory for wireless multi-hop networks	Diggavi	Patrick	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Network theory for wireless multi-hop networks	Grossglauser	Matthias	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Network theory for wireless multi-hop networks	Telatar	Emre	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Network theory for wireless multi-hop networks	Thiran	Patrick	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Distributed signal processing and communication in sensor networks	Vetterli	Martin	Faculté Informatique et Communications	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Algorithmic foundations of ad hoc and sensor networks	Wattenhofer	Roger	Departement Informatik	ETH Zürich
Theory of Self-Organized, Distributed Communication and Information	Algorithmic foundations of ad hoc and sensor networks	Wydmyer	Peter	Departement Informatik	ETH Zürich
Theory of Self-Organized, Distributed Communication and Information	Sensorscope and it's application to environmental monitoring	Parlange	Marc	Faculté Environnement naturel, architectural et construit	EPF Lausanne
Theory of Self-Organized, Distributed Communication and Information	Sensorscope and it's application to environmental monitoring	Vetterli	Martin	Faculté Informatique et Communications	EPF Lausanne

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Theory of Self-Organized, Distributed Communication and Information	Reliable computing in sensor networks	Guerraoui	Rachid	Faculté Informatique et Communications	EPF Lausanne
Mobile Communication and Processing Platforms	Very low radiated power UWB communication	Le Boudec	Jean- Yves	Faculté Informatique et Communications	EPF Lausanne
Mobile Communication and Processing Platforms	Very low radiated power UWB communication	Decotignie	Jean- D.	CSEM, Faculté Informatique et Communications	EPF Lausanne
Mobile Communication and Processing Platforms	Very low radiated power UWB communication	Dehollain	Catherine	Faculté Sciences et techniques de l'ingénieur	EPF Lausanne
Mobile Communication and Processing Platforms	Very low radiated power UWB communication	Robert	Stephan	Institut des télécommunications	École d'Ingénieurs du Canton Vaud, Yverdon-les-Bains
Mobile Communication and Processing Platforms	Very low radiated power UWB communication	Skrivervik	Anja	Faculté Sciences et techniques de l'ingénieur	EPF Lausanne
Mobile Communication and Processing Platforms	Very low radiated power UWB communication	Wittneben	Armin	Departement Informations-technologie und Elektrotechnik	ETH Zürich
Mobile Communication and Processing Platforms	Deployment of sensor networks	Mattern	Friedemann	Departement für Informatik	ETH Zürich
Mobile Communication and Processing Platforms	Deployment of sensor networks	Thiele	Lothar	Departement Informations-technologie und Elektrotechnik	ETH Zürich
Mobile Communication and Processing Platforms	Modular and composable platform for sensor and actuator networks	Henzinger	Thomas	Faculté Informatique et Communications	EPF Lausanne
Mobile Communication and Processing Platforms	Modular and composable platform for sensor and actuator networks	Thiele	Lothar	Departement Informations-technologie und Elektrotechnik	ETH Zürich
Mobile Communication and Processing Platforms	Application: Distributed odour source localization using a miniature multi-robot system	Martinoli	Alcherio	Faculté Environnement naturel, architectural et construit	EPF Lausanne
Mobile Communication and Processing Platforms	Application: Real-time avalanche and landslide analysis through sensor networks	Ancey	Christophe	Faculté Environnement naturel, architectural et construit	EPF Lausanne

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
Mobile Communication and Processing Platforms	Application: Real-time avalanche and landslide analysis through sensor networks	Charbon	Edoardo	Faculté Informatique et Communications	EPF Lausanne
Mobile Communication and Processing Platforms	Application: Wireless sensor network for pollution monitoring	Robert	Stephan	Institut des télécommunications	École d'Ingénieurs du Canton Vaud, Yverdon-les-Bains
Networked Software Systems	Checking properties of flexible programs in the presence of modularity	Gross	Thomas	Departement Informatik	ETH Zürich
Networked Software Systems	VerSePro: Verification of security and privacy protocols for wireless networks	Basin	David	Departement Informatik	ETH Zürich
Networked Software Systems	VerSePro: Verification of security and privacy protocols for wireless networks	Hubaux	Jean-Pierre	Faculté Informatique et Communications	EPF Lausanne
Networked Software Systems	Secure stream ciphers	Meier	Willi	Institut für Aerosol- und Sensortechnik	Fachhochschule Nordwestschweiz, Brugg
Networked Software Systems	Spam detection based on self-organization	Le Boudec	Jean- Yves	Faculté Informatique et Communications	EPF Lausanne
Networked Software Systems	Permasense	Tschudin	Christian	Departement Informatik	Universität Basel
Networked Software Systems	WaterSense	Hubaux	Jean-Pierre	Faculté Informatique et Communications	EPF Lausanne
In-Network Information Management	Xtream	Alonso	Gustavo	Departement Informatik	ETH Zürich
In-Network Information Management	Xtream	Kossmann	Donald	Departement Informatik	ETH Zürich
In-Network Information Management	Xtream	Tatbul	Nesime	Departement Informatik	ETH Zürich

Clusters	Project title (per 2009)	Leader (name)	Surname	Institute	Institution
In-Network Information Management	Distributed event detection and localization architecture for wireless sensor networks	Braun	Torsten	Institut für Rechnernetze und Verteilte Systeme	Universität Bern
In-Network Information Management	Data dissemination in mobile ad hoc sensor environments	Murphy	Amy	Facoltà die scienze informatiche	Università della Svizzera Italiana, Lugano
In-Network Information Management	Data dissemination in mobile ad hoc sensor environments	Pedone	Fernando	Facoltà die scienze informatiche	Università della Svizzera Italiana, Lugano
In-Network Information Management	Sensor awareness	Aberer	Klaus	Faculté Informatique et Communications	EPF Lausanne
In-Network Information Management	Sensor awareness	Henzinger	Monika	Faculté Informatique et Communications	EPF Lausanne
In-Network Information Management	Sensor awareness	Süsstrunk	Sabine	Faculté Informatique et Communications	EPF Lausanne
In-Network Information Management	Serious buidling games	Gross	Thomas	Departement Informatik	ETH Zürich
In-Network Information Management	Serious buidling games	Hovestadt	Ludger	Departement Architektur	ETH Zürich
In-Network Information Management	Serious buidling games	Morari	Manfred	Departement Informations-technologie und Elektrotechnik	ETH Zürich
In-Network Information Management	Serious buidling games	Thiele	Lothar	Departement Informations-technologie und Elektrotechnik	ETH Zürich
In-Network Information Management	Idea futures market for MICS technology foresight	Pigneur	Yves	Département des systèmes d'information	Université de Lausanne, Ecole des HEC, Lausanne
In-Network Information Management	Distributed software transactional memory for resource-constrained networked devices	Felber	Pascal	Institut d'informatique	Université de Neuchâtel, Neuchâtel

Third funding period: 2009 - 2013

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
none	Environmental monitoring for scientific purposes	Süsstrunk	Sabine	Faculté Informatique et Communications	EPF Lausanne
none	End-to-end sensor data management	Barrenetxea	Guillermo	Faculté Informatique et Communications	EPF Lausanne
none	Permasense	Beutel	Jan	Departement Informations-technologie und Elektrotechnik	ETH Zürich
none	High-throughput UWB localization for mobile robots	Botteron	Cyrille	Faculté Sciences et techniques de l'ingénieur	EPF Lausanne
none	Security for wireless networks	Basin	David	Departement Informatik	ETH Zürich
none	Customizing the world of pervasive data	Alonso	Gustavo	Departement Informatik	ETH Zürich
Transfer Projects: Economic stimulus package	P2P streaming of scalable content for PCs and consumer electronics	Wattenhofer	Roger	Departement Informatik	ETH Zürich
Transfer Projects: Economic stimulus package	Tamperproof monitoring solution for weather risk management	Vetterli	Martin	Faculté Informatique et Communications	EPF Lausanne
Transfer Projects: Economic stimulus package	PermaSense Rugged Sensor Technology	Beutel	Jan	Departement Informations-technologie und Elektrotechnik	ETH Zürich
Transfer Projects: Economic stimulus package	Distributed Algorithm for Vehicle Detection	Buhmann	Joachim	Institut für Computational Science	ETH Zürich
Transfer Projects: Strong Swiss franc	Advanced sensing system with single-photon sensitivity and picosecond time resolution in a compact probe for fluorescence-guided surgery	Charbon	Edoardo	Laboratoire d'architecture de processeurs	EPF Lausanne
Transfer Projects: Strong Swiss franc	KPOSKIT - An Indoor Positioning Research Package Kit	Farine	Pierre-Andre	Laboratoire d'électronique et traitement du signal	EPF Lausanne

Clusters	Project title (per 2012)	Leader (name)	Surname	Institute	Institution
Transfer Projects: Strong Swiss franc	Ultra low-power wireless camera network for agriculture monitoring and pest attack detection	Martinoli	Alcherio	Laboratoire de systèmes et algorithmes intelligents distribués	EPF Lausanne

Participating groups

Leader (name)	Surname	Institution	Period
Aberer	Karl	EPF Lausanne	1+2
Ailamaki	Anastasia	EPF Lausanne	3
Alonso	Gustavo	ETH Zürich	1+2+3
Ancey	Christophe	EPF Lausanne	2+3
Barrenetxea	Guillermo	EPF Lausanne	3
Basin	David	ETH Zürich	1+2+3
Ben	Arous Gérard	EPF Lausanne	1
Beutel	Jan	ETH Zürich	3
Botteron	Cyrille	EPF Lausanne	3
Braun	Torsten	Universität Bern	1+2
Brémaud	Pierre	EPF Lausanne	1
Buhmann	Joachim	ETH Zürich	3
Capkun	Srdjan	ETH Zürich	3
Charbon	Edoardo	EPF Lausanne	2
Decotignie	Jean- D.	Centre Suisse d'Electronique et de Microtechnique, Nèuchatel	1+2
Dehollain	Catherine	EPF Lausanne	2+3
Diggavi	Suhas	EPF Lausanne	1+2
Enz	Christian	Centre Suisse d'Electronique et de Microtechnique, Nèuchatel	1
Farine	Pierre-André	EPF Lausanne	3
Felber	Pascal	Université de Neuchâtel	2
Fua	Pascal	EPF Lausanne	3
Glinz	Martin	Universität Zürich	1
Gross	Thomas	ETH Zürich	1+2
Grossglauser	Matthias	EPF Lausanne	1+2
Gruber	Stefan	Universität Zürich	3
Guerraoui	Rachid	EPF Lausanne	1+2

Leader (name)	Surname	Institution	Period
Henzinger	Monika	EPF Lausanne	2
Henzinger	Thomas	EPF Lausanne	2
Hovestadt	Ludger	ETH Zürich	1+2
Hubaux	Jean-Pierre	EPF Lausanne	1+2+3
Kossmann	Donald	ETH Zürich	2+3
Le Boudec	Jean-Yves	EPF Lausanne	1+2
Martinoli	Alcherio	EPF Lausanne	2+3
Mattern	Friedemann	ETH Zürich	1+2+3
Meier	Willi	Fachhochschule Aargau	1+2+3
Morari	Manfred	ETH Zürich	2
Murphy	Amy	Università della Svizzera Italiana, Lugano	2
Odersky	Martin	EPF Lausanne	1
Oyon	Daniel	Ecole des HEC, Lausanne	1
Parlange	Marc	EPF Lausanne	2+3
Pedone	Fernando	Università della Svizzera Italiana, Lugano	2
Pesty	Roland	EPF Lausanne	3
Pigneur	Yves	Ecole des HEC, Lausanne	1+2
Rimoldi	Bixio	EPF Lausanne	1
Robert	Stephan	Ecole d'Ingénieurs du Canton de Vaud, Yverdon-les-Bains	2+3
Römer	Kay	ETH Zürich	3
Schipper	André	EPF Lausanne	1
Schmid	Beat	Universität St. Gallen	1
Skrivervik	Anja	EPF Lausanne	1+2+3
Spaccapietra	Stefano	EPF Lausanne	1
Stärk	Robert	ETH Zürich	1
Süsstrunk	Sabine	EPF Lausanne	1+2+3
Tatbul	Nesime	ETH Zürich	2+3

Leader (name)	Surname	Institution	Period
Telatar	Emre	EPF Lausanne	1+2
Thiele	Lothar	ETH Zürich	1+2+3
Thiran	Patrick	EPF Lausanne	1+2+3
Tschudin	Christian	Universität Basel	2
Urbanke	Rüdiger	EPF Lausanne	1+2+3
Vaudenay	Serge	EPF Lausanne	1+3
Vetterli	Martin	EPF Lausanne	1+2+3
Wattenhofer	Roger	ETH Zürich	1+2+3
Wegmann	Alain	EPF Lausanne	1
Wittneben	Armin	ETH Zürich	2
Widmayer	Peter	ETH Zürich	2