

MedTech West project list

Period: **Dec 2012**

Platform/Project	Project/Activity	Platform leader/ Principal investigator	Clinical expert	Active additional researchers	Previous additional researchers
Microwave based medical devices	Platform	Prof. Mikael Persson			
Stroke diagnosis system	Project	Dr. Andreas Fhager	Prof. Mikael Elam		
Hyperthermia cancer treatment	Project	Dr. Hana Dobšiček Trefná	Pd Dr. Johanna Gellerman	Dr. Andreas Fhager	
Microwave tomography	Project	Dr. Andreas Fhager	NN		
Image analysis	Platform	Prof. Mikael Persson			
CAD prostate cancer	Activity	Dr. Andrew Mehnert	Prof. Mikael Hellström		
CAD breast cancer	Activity	Dr. Andrew Mehnert	Prof. Mikael Hellström		
Automated cytology	Project	Dr. Andrew Mehnert	Prof. K. Sujathan		
Image based oral cancer diagnosis	Project	Dr. Artur Chodorowski	Prof. Vinay Hazarey	Dr. Sunil Kothawar	
DTI tools for pituitary gland analysis	Project	Dr. Daniel Nilsson, MD	PhD student Ylva Lilja, MD		
Automated brain segmentation in MRI/CT	Project	Prof. Mikael Persson	Johanna Gellerman, MD	Qaiser Mohammad, PhD student	
Smart textiles	Platform	Prof. Kaj Lindcrantz			
EEG classification for monitoring	Project	Dr. Johan Löfhede	Dr. Magnus Thordstein, Dr. Anders Flisberg	Dr. Leif Sandsjö, PhD Student Siw Eriksson, PhD student Li Guo	
Textile sensors for EEG monitoring	Project	Dr. Johan Löfhede	Dr. Magnus Thordstein, Dr. Anders Flisberg	Dr. Leif Sandsjö, PhD Student Siw Eriksson, PhD student Li Guo	
3D weaving process for medical applications	Project	Dr. Leif Sandsjö	Prof. Mikael Elam	PhD student Siw Eriksson, PhD student Li Guo, Prof. MariAnne Karlsson (CTH)	
Smart shirt for long-term respiratory monitoring	Activity	Dr. Leif Sandsjö	Dr. Urban Wiklund (NUS)	Dr. Lena Berglin, PhD student Li Guo	
Coordination training feedback trousers (EMG)	Activity	Dr. Leif Sandsjö	Dr. Maria Ekblom (GIH)	Dr. Lena Berglin, Dr. Martin Eriksson (KTH), Sten Collander (GIH), Dr. Nils-Krister Persson	
Andningsmonitorering med smarta textilier	Project	Dr. Leif Sandsjö		Ants Silberberg, U lektor Chalmers, Lena Berglin, U lektor HB	
Elektrodress	Project	Dr. Leif Sandsjö	Ann Sörbo, SÅS, Per Ertzgaard, LiU	Marianne Giesler Hörnberg, SÅS Fredrik Lundqvist, Inerventions,	
High Tc SQUIDS	Platform	Prof. Dag Winkler			
MEG	Project	Dr. Justin Schneiderman	Prof. Mikael Elam, Dr. Anders Hedström	Dr. Alexei Kalabukhov, PhD students Fredrik Öisjöen, Maxim Chukharkin	Masters student Gerard Figueras
Ultra lowfield MRI	Project	Dr. Justin Schneiderman	Prof. Mikael Elam	Dr. Alexei Kalabukhov, PhD students Fredrik Öisjöen, Maxim Chukharkin, masters students Magnus Jönsson, Farman Ali	Masters student Hadi Arjmandi Tash
Combined MEG-MRI	Activity	Dr. Justin Schneiderman	Prof. Mikael Elam	Dr. Alexei Kalabukhov, PhD students Fredrik Öisjöen	
Molecular diagnostics	Activity	Dr. Justin Schneiderman	Prof. Mikael Elam	Dr. Alexei Kalabukhov, Dr. Anke Sans-Velasco, Dr. Aldo Jesorka, PhD student Fredrik Öisjöen	
Electromagnetic modelling	Platform				
Epileptic source location through EEG		Dr. Fredrik Edelvik	Dr. Anders Hedström		
Navigated magnetic stimulation		Prof. Mikael Persson(?)	Dr. Magnus Thordstein	Dr. Fredrik Edelvik(?), PhD student Yazdan Shirvany	
Microdevices for medical applications	Platform				
Microneurography	Activity	Dr. Johan Wessberg	Dr. Johan Wessberg(?) or M. Elam		
Biomolecule dynamics	Activity	Prof. Fredrik Höök		PhD student Francesco Mazzotta	Dr. Malin Edvardsson
eHealth	Platform	Adj. Prof. Bengt-Arne Sjöqvist			
Care at distance of neonates	Activity	Bengt-Arne Sjöqvist	Prof. Kristina Bry	Chief Physician Elisabet Hentz, Spec. nurse Erika Pederssen	
	Activity	Bengt-Arne Sjöqvist	Dr. Harshida Patel	Chief Physician Maria Schaufelberger	

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Post crash vehicle info transfer to ER, IP Car	Project	Dr. Stefan Candefjord	Prof. Mikael Elam	Dr. Andreas Fhager, Dr. Ants Silberberg, master thesis student Malik Ahzaz Ahmad, Prof. Mikael Persson, Dr. Anna Nilsson-Ehle, Prof. Bengt Arne Sjöqvist	
Home Service 3.0	Project	Dr. Leif Sandsjö	Dr. Magnus Hållander (HH)	Prof. Lars Sandman, Prof. Stefan Cronholm	
Metis - A platform for prehospital eHealth	Project	Adj. Prof. Bengt-Arne Sjöqvist			
Patient participation for chronic patients	Activity	Prof. Kaj Lindecrantz		Dr. Leif Sandsjö	
Care in high-tech/ICU environments	Activity	Dr. Leif Sandsjö	Prof. Ingegerd Bergbom	Dr. Berit Lindahl et al.	
Rationalizations in dental care and its effect on working conditions	Activity	Dr. Leif Sandsjö	Prof. Kerstin Ekberg	Prof. Jörgen Winkel, Dr. Istvan Balogh, Dr. Dirk Jonker, Dr. Bo Rolander	
Intervention programmes addressing neck pain	Activity	Dr. Leif Sandsjö	Prof. Mats Hagberg	Prof. Lotta Dellve, Dr. Agneta Lindegård, Dr. Mikael Forsman	
Elektrodress - Clinical evaluation of the interventions method	Activity	Prof. Kaj Lindecrantz	Prof. Mikael Elam	Dr. Leif Sandsjö, Dr. Patrik Säterö, Dr. Bertil Guve	