



2nd INTERNATIONAL WORKSHOP

Modena, June 27th, 2011

Mobile Systems as a Challenge for Neurological Diseases Management

Supported by:





Parkinson's disease (PD) is a progressive neurological disease, brought on by degeneration of dopaminergic neurons in specific structures of the brain. The prevalence of PD is about one person out of 400, and about 150,000 people in Italy and 1,000,000 in the European Community suffer from this disease. At the moment of the diagnosis most of the people are aged 50 and more but PD is not infrequent in younger people too, indeed one out of 20 patients is under 40.

The main symptoms of PD are traditionally tremor, rigidity and slowness of movements. Furthermore, in the course of the disease, many additional symptoms with daily life impact may be present, for example tiredness, pain, constipation, loss of sphincteric control, sleep disorders, depression and cognitive decline.

In most of the patients a combination of dopaminergic drugs and physical therapy allows a good control of the symptoms for about 5-8 years, despite the course of the disease (in particular the quality and the progression of the symptoms) could be very different among subjects.

As PD progresses an increasingly amount of care and support may be required, although many people maintain a good quality of life with limited care and treatments. However, after about 10-15 years from diagnosis, is almost unavoidable a significant raise in the degree of disability, mainly due to a loss of effective response to medications with phenomena usually called "on-off" and "levodopa-induced dyskinesia".

At this stage of the disease most of the patients lose postural and gait functions with loss of independent deambulation and increased risk of dangerous falls.

Aside from typical PD there are also analogous diseases called parkinsonian syndrome (PS). These infrequent diseases differ from PD for fast evolution, prevalent severe balance disturbances, poor prognosis and little response to drugs.

The main problem in optimizing PD therapy is the assessment of motor status at home and during daily activities and its relations to drugs and meals assumption. It is often very difficult for patients to describe exactly their motor conditions all over the day; with current resources is only possible to ask the patient to fill a daily diary of the symptoms fluctuations, and this could be done only if the cognitive functions of the patient are fully maintained. A second issue for the patients is convey their motor status in real time to neurologist to have quickly adjustments of the treatment and simultaneously communicate the results of this change as feedback.

PERFORM (A soPhisticatEd multi-paRametric system FOR the continous assessment and Monitoring of motor status in Parkinson's disease and other neurodegenerative diseases) is a collaborative research project, under the Seventh Framework Program of the European Commission, that aims at tackling problems associated with the efficient remote health status monitoring with objective assessment of motor activity at home in relation to the assumption of drugs, consenting to the



neurologist to do appropriate therapy changes and to check the results.

PERFORM (www.perform-project.com) develops an innovative and intelligent system, useful for patients, doctors and researchers, for the monitoring of the evolution of neurodegenerative diseases through employment of wearable sensors, advanced knowledge and fusion algorithms.

The 2nd PERFORM International Workshop will represent a unique opportunity for different stakeholders, allowing them to share perspectives and experiences about Parkinson's Disease from the technical, medical, industrial and even social point of view.

SCIENTIFIC COMMITTEE

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In order to get further information about this workshop, please visit www.consorzieferrararicerche.it

The participation is free but online pre-registration is strictly requested.

For other information you should contact the Congress Secretary:

CONSORZIO FERRARA RICERCHE

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PERFORM

2nd International Workshop

Modena, June 27th, 2011

Sala Panini – Chamber of Commerce of Modena

9:00 9:15	Participants Registration Welcome and Introduction <i>Giuseppe Caroli</i> , General Director AUSL Modena <i>Gino Gumirato</i> , Administrative Director AUSL Modena
	Morning Session Chairman: <i>Maria A. Pastor</i> , Pamplona - Spain <i>Franco Valzania</i> , Modena - Italy
9:30 - 10:15	Motor fluctuations and clinical assessment of motor behaviour in Parkinson's Disease <i>Angelo Antonini</i> , Padova- Italy
10:15 - 11:00	The promise of e-Health: better quality of care at lower costs <i>Silvio Bonfiglio</i> , Saronno - Italy
11:00	Coffee Break
11:30 - 12:15	Freezing of gait: the mysteries remain <i>Alice Nieuwboer</i> , Leuven - Belgium Chairman: <i>M.Teresa Arredondo</i> , Madrid - Spain <i>Francesco Zanichelli</i> , Parma - Italy

12:15 - 12:45	Health technology gets personal: e-Monitors & e-Trainers for Parkinsonian patients <i>Lorenzo Chiari</i> , Bologna - Italy
12:45 - 13:45	Theoretical bases and design of the PERFORM project <i>Dimitris Fotiadis</i> , Ioannina - Greece <i>Spiros Konitsiotis</i> , Ioannina - Greece
13:45	Lunch
	Afternoon Session Chairman: <i>Mario Pansera</i> , Madrid - Spain <i>Giovanni Arcuri</i> , Modena - Italy
15:00	Demo of THE PERFORM SYSTEM Representative of Perform protocol in PD patients
16:30	Closing Remarks



EC Project PERFORM

Modena, June 27th, 2011

LOGISTICS

Meeting Venue

“SALA PANINI”

Chamber of Commerce - Via Granaceto 134
41100 Modena, Italy



HOW TO REACH MODENA

By Plane

- 1) You can flight either to **Milan** (which has two airports: Malpensa and Linate) or to **Bologna** (airport “G. Marconi” nearest to Modena).

- 2) In both cases you have to take the bus to the central railway station according to the airport chosen:

- from Milan Malpensa airport (MXP) to Milan Central Station: 1 hour by bus (Malpensa Express – 5 Euros)
- from Milan Linate airport (LIN) to Milan Central Station: ½ hour by bus (4 Euros)
- from Bologna airport (BLQ) to Bologna Central Station: ½ hour by bus (should be 4 Euros)

By Train

It takes approximately 1h 40’ from Milan (Central Station) to Modena and 20’ from Bologna Station to Modena.

Please make your search in http://www.ferroviedellostato.it/homepage_en.html

To reach the Meeting Venue by feet follow Via Galvani from Piazza Dante, turn right at the traffic light into Viale Monte Kosica and then left into Via Granaceto.

By Car

- It takes 1h 40’ from MILAN Linate. After leaving the airport take the city highway “Tangenziale Est” heading toward Highway A1 – Bologna. Take the Highway A1 direction Bologna and exit at Modena Nord.
- It takes approximately 1h 30’ – 2 h from MILAN Malpensa. After leaving the airport, follow directions to Milan and then take the city highway “Tangenziale Ovest” heading toward Highway A1 – Bologna. Take the Highway A1 direction Bologna and exit at Modena Nord.



- It takes 40' from BOLOGNA airport. You have to take the Highway A1, direction Milano, exit at Modena Nord.
- From Modena Nord exit follow the ring road toward Bologna until exit 7 "Borsa Merci – Mercato Bestiame", go straight along Viale Mercato until Via Canaletto. On your right you will see the Borsa Merci building. In order to get to the Chamber of Commerce turn left on Via Canaletto and proceed in the right hand lane and take the railroad overpass (Viale Mazzoni). At the end of the overpass turn right being careful to not enter the Piazza Bruni roundabout. Proceed along Viale Crispi in the left lane until entering the straight stretch of road which is Viale Monte Kosica. Proceed straight after the first stop light until you reach another roundabout that you follow until you do a switchback in the opposite direction. Turn right into the next street (Via Granaceto) and follow this until you reach number 134.

Parking

Free parking is available at the "Parco Novi Sad", 50 meters from the meeting venue (Chamber of Commerce).

In order to access the free parking area of "Parco Novi Sad" (usable from Tuesday to Sunday) go past the Chamber of Commerce and make the first right. Turn left at the next traffic light and follow the streets that runs along the Polo Universitario Building. Follow this street for about 500 meters and turn right again where you will find the entrance to the parking lot.

Alternatively it is possible to use the fee parking areas in Via Granaceto, Via Fontanelli, Via Berengario and other adjacent streets.

Radio Taxi and cabs stands in Modena

24 hour Radio-Taxi Service: 059 374242
 Railway Station (07.00-24.00): 059 223242
 Corso Duomo (06.00-01.30): 059 223325





HOTELS

Special rates has been requested for the participants of the meeting (rates are to be intended per room per night, breakfast and taxes included):

HOTEL NAME	SINGLE ROOM	DUS (Double room Single Use)	DOUBLE ROOM
Hotel ESTENSE (***) Viale J. Berengario, 11 Tel: +39 059 219057 +39 059 242057 Fax: +39 059 211755 http://www.hotelestense.com/	€ 80	€ 100	€ 120
Hotel EUROPA (***) Corso Vittorio Emanuele, 52 Tel.: +39 059 217721 Fax: +39 059 222288 http://www.hoteleuropa.it/	€ 54		€ 79
Hotel LIBERTA' (***) Via Blasia, 10 Tel.: +39 059 222365 Fax: +39 059 222502 http://www.hotelliberta.it/	€ 64	€ 79	€ 94
Hotel MILANO (***) Corso Vittorio Emanuele, 68 Tel.: +39 059 223011 Fax: +39 059 225136 http://www.modenahotel.it/	€ 49		€ 74
Hotel MODENA (***) Via Bernardino Ramazzini, 59 Tel . +39 059 223634 Fax. +39 059 4390239 http://www.hotelmilano.biz/	€ 40	€ 50	€ 60



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