

**The 1st International Conference of Faculty
of Physical Therapy, Cairo University
Unit of Orthoses and Prostheses**

Under the Title of:

**Orthoses and prostheses for rehabilitation to
challenge disability**

***Under the Patronage of
Excellency***

*Prof. Dr. Gaber Nassar
President of Cairo University.*

*Prof. Dr. Alaa Balbaa
Dean, Faculty of Physical Therapy, Cairo University and
Chairman of the Conference.*

*Prof. Dr. Mohamed El-Gendy
Vice president and secretary general of the conference
Manager of orthoses and prostheses unit
Faculty of Physical Therapy Cairo University*

Scientific Committee

(Alphabetical)

- **Prof. Dr. Abdulalim Atteya**
- **Prof. Dr. Adel Nossier**
- **Prof. Dr. Adly Sabbour**
- **Prof. Dr. Alaa Balbaa**
- **Prof. Dr. Amel Youssef**
- **Prof. Dr. Amira El-Tohamy**
- **Prof. Dr. Awny Rahmy**
- **Prof. Dr. Azza Abdel Aziz**
- **Prof. Dr. Ebtissam Khattab**
- **Prof. Dr. Emam El-Negmy**
- **Prof. Dr. Eman El-Hadidy**
- **Prof. Dr. Faten Abdel-Azim**
- **Prof. Dr. Fatma Sedek**
- **Prof. Dr. Hala Ezz El-Deen**
- **Prof. Dr. Hanan Mekawy**
- **Prof. Dr. Ibrahim Magdy El-Ngar**
- **Prof. Dr. Maher El-Kabalwy**
- **Prof. Dr. Mohamed Elgendy**
- **Prof. Dr. Mohamed Khalaf**
- **Prof. Dr. Moshera Darwish**
- **Prof. Dr. Nadia Fayaz**
- **Prof. Dr. Nagwa Badr**
- **Prof. Dr. Nahed Salem**
- **Prof. Dr. Salaam El-Hafez**
- **Prof. Dr. Salwa Fadel**
- **Prof. Dr. Samy Abdel-Samad**
- **Prof. Dr. Wadedda El-Sayyed**
- **Prof. Dr. Wafaa Borhan**
- **Prof. Dr. Zahra Sery**
- **Prof. Dr. Zeinab Helmy**

Organizing Committee

Prof. Dr. Marzouk Ellythy

Prof. Dr. Samah Attia El Shemy

Prof. Dr. Nahed Shoukry

Dr. Ahmed El-Shiwi

Assistant lect. Hamada Ahmed Hamada

Chairman Conference Message

Dear Colleagues

I Would like to express my great happiness to see our dreams come into reality. Starting our first annual International conference for orthoses and prostheses in the Faculty of Physical Therapy, Cairo University.

One among the most valuable aims of this conference is the gathering of patients, students, physical therapists, technicians, companies & media to exchange knowledge, experience & ideas in order to establish future plan to improve all the scientific aspects of orthoses & prostheses to enable people with special needs to achieve the highest level of function.

It is just a start & I wish that all of you to keep in contact and work together to achieve our goals.

Prof. Dr. Alaa Balbaa
Chairman of the Conference,
Dean, Faculty of Physical Therapy
Cairo University

General Secretary Conference Message

Our respectful professors, Dear colleagues, sons and daughters it gives me a great pleasure to be the secretary general for the first international conference for orthoses and prostheses unit, faculty of physical therapy Cairo university. This conference is assumed to be the first international conference in this field in Cairo university to monitor the reality of the different types of services and forms of orthoses, prostheses and rehabilitation devices provided to persons with special needs to measure the rate of the overall community integration of these distinct categories society. Researches presented in this forum aim at developing services in the field of prosthetic devices, orthoses and rehabilitation that matches with what is provided by international and global systems in this area to reach a unified strategy, whether social or regional or international, which deepens the regional and international cooperation with the community in the field of prosthetic devices, orthoses and the care for the rehabilitation of the disabled.

I hope that this conference can find your expectations, and achieve the desired benefit from it to open up the prospects and channels of cooperation between the college and all practitioners interested in this field and all members of the medical system to the benefit of the quality of health care provided.

***Vice president and secretary general
of the conference
Prof. Dr. Mohamed El-Gendy
Manager of orthosis and prosthesis unit
Faculty of Physical Therapy Cairo University***

Conference Directors Message

We cordially welcome you to participate in the 1st International conference of orthoses and prostheses for rehabilitation to challenge disability, the Faculty of Physical Therapy, Cairo University..

Developing the field of orthoses and prostheses in Egypt is one of the primary target of all researchers of various specializations in order to catch the mounting progress in all scientific and medical fields on the national , regional and international levels.

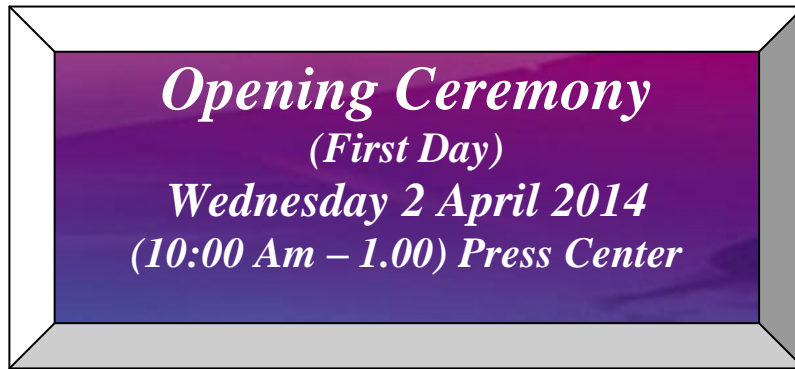
The greatest challenge facing the workers in this scope, is spreading the awareness between various categories of the society concerning the importance of the profession of orthoses and prostheses and its role in treatment and prophylaxis from many diseases.

The organizing committee hope you enjoy the exciting scientific program of the conference and wish all the best and success to all participants.

Prof. Dr. Samah Attia El Shemy

Dr. Ahmed El-Shiwi

Directors of the conference



- ⇒ **Registration**
- ⇒ **National Salute**
- ⇒ **Holly Quran**

Welcoming Addresses

Prof. Dr. Mohamed El-Gendy

*Vice president and secretary general of the conference
Manager of orthoses and prostheses unit Faculty of Physical Therapy Cairo
University*

Prof. Dr. Samy Saad

President of the Egyptian Physical Therapy Syndicate

Prof. Dr. Mahmoud S. El-Garf

Chairman of General Organization for industrial development

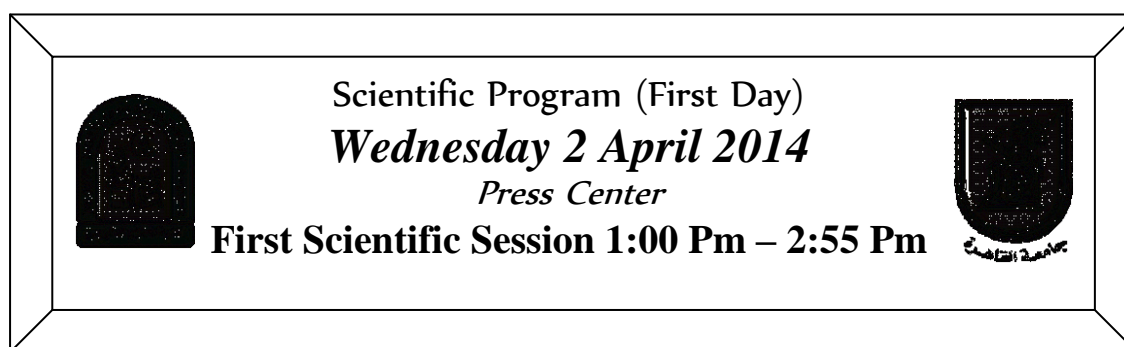
Prof. Dr. Alaa Balbaa

*Dean, Faculty of Physical Therapy, Cairo University and Chairman of the
Conference.*

Prof. Dr. Gaber Nassar

President of Cairo University.

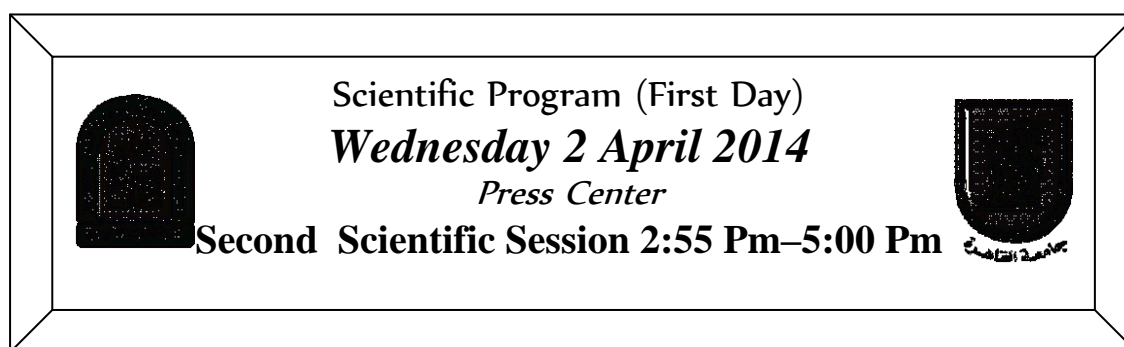
- ⇒ **Prize giving.**
- ⇒ **Tea break**



Chairpersons

Prof. Dr. Alaa balbaa Prof. Dr. Kamal Shoukry Prof. Dr. Amira El-Tohamy
Prof. Dr. Nagwa Badr Prof. Dr. Amal Fawzy Prof. Dr. Mohamed Tawfic
Prof. Dr. Maher El-Kabalwy

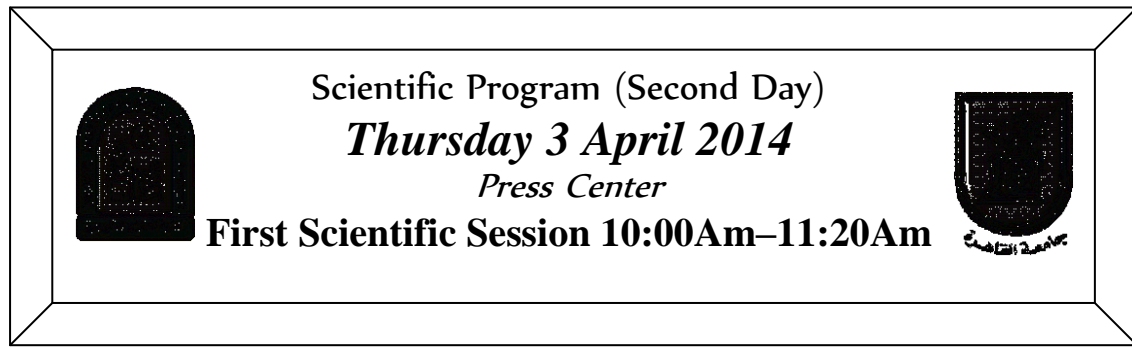
1:00 – 1:25 (Lecture)	Prof. Dr. Waleed Sharawy Manager of the unit of orthoses and protheses in military center for rehabilitation in Agouza	Prosthetic and orthotic general overview
1:25 – 1:50 (Lecture)	Prof. Dr. Ibrahim Ali Nassar Vice Dean for post graduate studies and research. Faculty of Medicine, Al Azhar University	Surgical and non surgical management of lumbar disc prolapse
1:50 – 2:15 (Lecture)	Prof. Dr. Hesham Khalil Consultant of osteopathy U.S.A.	Global osteopathic approach in physical rehabilitation
2:15 – 2:35 (Paper)	Dr. Abd El Aziz Ali Lecturer of Ph. Th. Faculty of Physical Therapy Cairo University	Combined effect of dynamic ankle foot orthosis with treadmill training on balance in hemiparetic cerebral palsy.
2:35 – 2:55 (Lecture)	Dr. Amir A. Beltagi Assistant Prof. Ph. Th. Faculty of Physical Therapy, Cairo University	Biomechanical implications of prosthetics and orthotics



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Prof. Dr. Azza Abdel Aziz Prof. Dr. Ebtissam Khattab Prof. Dr. Adel Nossier
Prof. Dr. Zeinab Helmy Prof. Dr. Salah Sawan Prof. Dr. Abdulalim Atteya
Prof. Dr. Wafaa Borhan

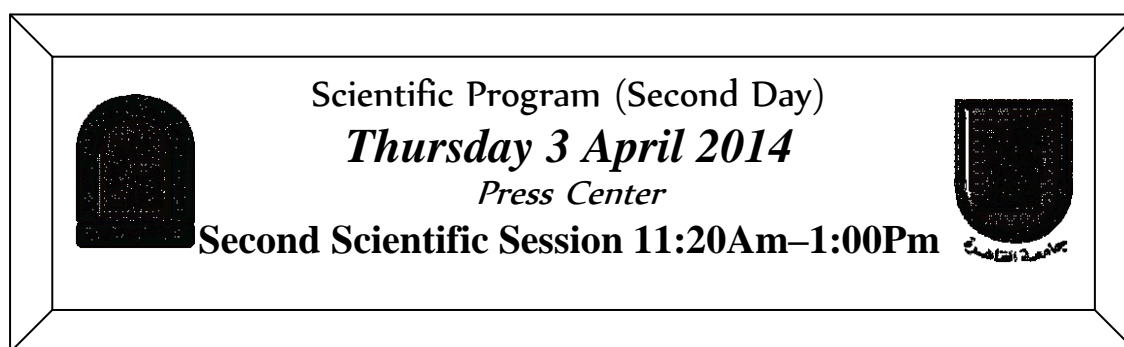
2:55 – 3:15 (Lecture)	Prof. Dr. Magdy Arfa Professor Ph. Th. Faculty of Physical Therapy, Cairo University	Therapeutic application of orthotics in neurological conditions
3:15 – 3:35 (Paper)	Prof. Dr. Soher Shehata Assistant Prof. Ph. Th. Faculty of Physical Therapy, Cairo University	Effect of extra corporeal shock wave on trigger finger
3:35 – 3:55 (Lecture)	Dr. Amira A. A. Abdallah Lecturer of Ph. Th. Faculty of Physical Therapy, Cairo University	Effect of unilateral and bilateral use of laterally wedged insoles with arch supports on impact loading in medial knee osteoarthritis
3:55 – 4:15 (Paper)	Dr. Amr Abd El Samad Lecturer of Ph. Th. Faculty of Physical Therapy, Cairo University	Shock Wave therapy & Interferential Therapy are very common non-pharmacologic interventions used to control pain in knee osteoarthritis
4:15 – 4:35 (Paper)	Dr. Kareem Mohamed Demonstrator Faculty of Physical Therapy, Cairo University	Effect of kinesio tape on iliocostalis lumborum in back myofascial pain syndrome
4:35 – 5:00	Lunch	



Chairpersons

*Prof. Dr. Emam El-Negmy Prof. Dr. Eman El-Hadidy Prof. Dr. Fatma Sedek
 Prof. Dr. Hala Kasem Prof. Dr. Gehan Elmenawy Prof. Dr. Amel Youssef
 Prof. Dr. Ragea Kamel*

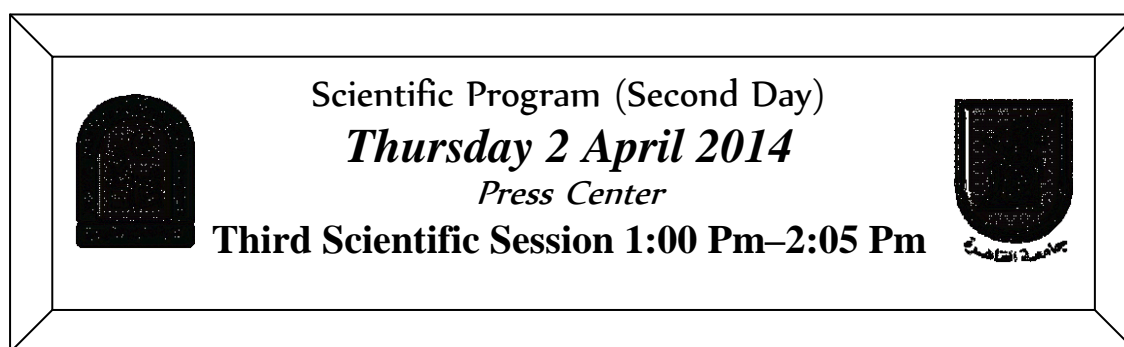
10:00 – 10:20 (Lecture)	Prof. Dr. Mohamed Elgendy Professor Ph. Th. Faculty of Physical Therapy, Cairo University	Artificial Egyptian prosthetic foot
10:20 – 10:40 (Lecture)	Prof. Dr. Samir El Sabahi Professor Ph. Th. Faculty of Physical Therapy, Cairo University	Orthosis may help in fitting myofascial pain
10:40 – 11:00 (Lecture)	Prof. Dr. Yasser El Safory Professor of orthopedic surgery. Faculty of Medicine, Cairo University	A movable shoulder abduction orthosis for the post-operative management of muscle transfers in patients of obstetric brachial plexus injury
11:00 – 11:20 (Lecture)	Dr. Ghada Koura Lecturer of Ph. Th. Faculty of Physical Therapy, Cairo University	Fitting and aligning of lower limb prosthesis



Chairpersons

Prof. Dr. Basem Elnahas Prof. Dr. Samy Abdel Samad Prof. Dr. Moshera Darwish Prof. Dr. Elham Salem Prof. Dr. Magdy Arfa
Prof. Dr. Nabil El-Bahrawy Prof. Dr. Hala Ezz El-Deen

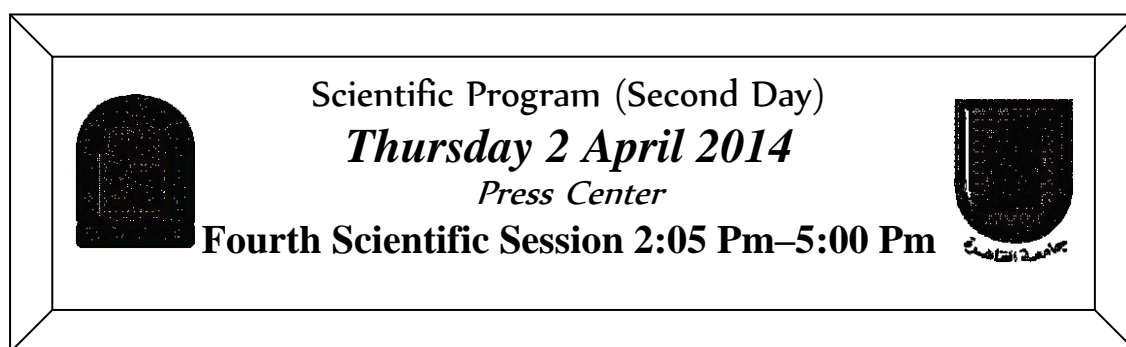
11:20 – 11:40 (Lecture)	Prof. Dr. Olfat Diab Vice Dean of Students affairs Faculty of Physical Therapy MUST University	Applied anthropometric
11:40 – 12:00 (Paper)	Dr. Mahmoud Mostafa Physical therapist at Health Insurance Organization	Using multi-angle ankle foot orthosis as related to gait parameters in patients with stroke
12:00 – 12:20 (Lecture)	Mr. Bassam Nabil National Council of Disability	Handicap between hope and reality
12:20 – 12:40 (Lecture)	Prof. Dr. Mohamed Elgendy Professor Ph. Th. Faculty of Physical Therapy, Cairo University	How to fabricate artificial silicon parts
12:400 – 1:00	Tea Break	



Chairpersons

Prof. Dr. Zahra Sery Prof. Dr. Samir Sabbahi Prof. Dr. Faten Abdel-Azim
Prof. Dr. Hanan Mekawy Prof. Dr. Nadia Fayaz Prof. Dr. Fatma Hegazy
Prof. Dr. Awny Rahmy Prof. Dr. Maher El-Kabalwy

1:00 – 1:15 (Paper)	Prof. Dr. Mohamed Salah Professor of orthopedic surgery Faculty of Medicine, Ein Shams University	Prosthesis for the poor disabled people in Egypt
1:15 – 1:30 (Lecture)	Prof. Dr. Mohamed Salah Professor of orthopedic surgery Faculty of Medicine, Ein Shams University	Medical aspects in sports for the disabled persons
1:30 – 1:45 (Lecture)	Prof. Dr. Mohamed Salah Professor of orthopedic surgery Faculty of Medicine, Ein Shams University	Diabetic Foot
1:45 – 2:05 (Paper)	Prof. Dr. Hala Abd Elgwad Chairman of pediatric dept. Faculty of Physical Therapy, MUST University	Impact of serum calcium and physical activity on selected anthropometric measures in early adolescence



Chairpersons

*Prof. Dr. Nahed Salem Prof. Dr. Mohamed Sadek Prof. Dr. Khaled Olama
Prof. Dr. Gehan Moussa Prof. Dr. Huessein Shaker Prof. Dr. Wadedda El-Sayyed
Prof. Dr. Adly Sabbour*

2:05 – 2:25 (Lecture)	Dr. Amr Mostafa Assistent Lect. Faculty of Physical Therapy, 6th October University	Efficacy of laterally wedged insole in treatment of medial compartment knee osteoarthritis
2:25 – 2:45 (Lecture)	Dr. Maha Mostafa Assistent Lect. Faculty of Physical Therapy, Cairo University	Effect of Kinesio® Tex tape on function in fibromyalgia syndrome
2:45 – 3:05 (Paper)	Dr. Mohamed Salah Emam Physical therapist Insitiute of Neuromotor Rehabilitation Embaba	Case studies of using of orthosis in treatment of poliomyelitis
3:05 – 3:20	DISCUSSION	
3:20 – 4:00	Evaluation and Recommendations	
4:00 – 5:00	Lunch	

POSTERS

Dr. Abeer F. Hanafy

Effect of knee taping on quadriceps muscle strength in patients with knee osteoarthritis

Dr. Nahla Mohamed Ibrahim Soliman

Effect of solid versus kinesceptive ankle foot orthoses on dynamic balance control in children with spastic diplegia

WORKSHOPS

Prof. Dr. Waleed Sharawy

Manager of the unit of orthosis and prosthesis in military center for rehabilitation in Agouza

Orthosis and prosthesis for rehabilitation to challenge disability

Dr. Ghada Koura

Lecturer of Ph. Th. Faculty of Physical Therapy Cairo University

Gait deviations of mal aligned lower limb prostheses

Prof. Dr. Amir Saleh

Assistant Prof. Ph. Th. Faculty of Physical Therapy Cairo University

Complementary alternative therapy