# International Organization for Medical Physics women survey: From participation to leadership 

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## International Organization for Medical Physics (IOMP) [1963]

represents c. 25000 medical physicists worldwide (2017)

* 86 affiliated national member organizations.
* 6 Regional Organisations
* AFOMP, ALFIM, EFOMP, FAMPO, MEFOMP, SEAFOMP)
* Corporate Members


## IOMP Objectives

- To organize international cooperation in medical physics and to promote communication between the various branches of medical physics and allied subjects.
- To contribute to the advancement of medical physics in all its aspects.
- To advise on the formation of national organizations of medical physics in those countries which lack such organizations, and also the possible formation of national committees in those countries where there is more than one medical physics organization.



## $*$ <br> IOMP - International Cooperations



IOMP Women Group formation http://www.iomp.org/IOMP-W/



International Conference of Medical Physics 2016 Bangkok 9-12 December 2016:

2 women symposia:
a) Women in medical physics: education and profession and b) Participation of women in medical physics scientific events.


## AOCMP - 2017/ AMPICON 2017

## November 2017, Jaipur, India

Medical Physics: Providing a Holistic Approach to Women Patients and Women Staff Safety
in Radiation Medicine


[^0]| Time | Programme |  |
| :---: | :---: | :---: |
|  | Hall $A$ (Main Hall) |  |
| 09.00.AM-09.30.AM | DMP INAUGURATION |  |
| 9.30AM-10.45AM | SESSIONIMEDICAL PHYSICS EDUCAIION |  |
| 9.30AM-10.00. ${ }^{\text {MM }}$ | History of Medical Physics - a new IOMP project | Dr. Slarik Tabakor, TK |
| 10.00.AM-10.20.AM | Medical Physics Education \& Profession Perspective in AFOMP Region | Dr. Tae Solk Suh, S. Korea |
| 10.20.AM-10.40.AM | Medical Plysics perspective :INDIAN SCENARIO | Dr. S D Sharma, India |
| 10.40AM-11.15AM | FLAGGING OFF OF DMP RALLY AND HIGH TEA |  |
| 11.15AMM-01.30PM | SESSION2:FEMALE MEDICAL PHYSICTST: GLOBAL\& REGIONAL PERSPECTIVE |  |
| 11.15AM-11.30.AM | Pioneer Women Medical Physicists from MEFOMP Coumtries | Dr. Huda Al Naemi, UAE |
| 11.30AM-11.45AM | Medical Physicists Certification Process and Eramination in the Middle East | Dr. Ibrahim Duhaimi, Lebanou |
| 11.45AM-11.55AM | MPW | Dr. Magdalena Stoera, Bulgaria |
| 12.00PM-1.30PM | SESSION 3 :IOMP- DMP PROGRAMIIE [LIVE TELECAST] |  |
| 12.00PM-12.05PM | Introductory tall on DMP | Dr. John Damilalis, Greece |
| 12.05PM-12.20PM | Medical Physics contribations to women's health and Radiation Safety | Dr. H. Anupama Azhari, Baghdesh |
| 12.20PM-1235PM | IOMP Women survey data | Dr. Virgimia Tsapalki, Greeke |
| 12.35PM-12.50PM | MP Education, Profession and as a Career for women in Bangladesh: Problems and Perspective | Dr. Towmin Zaman, Bangladesh |
| 12.50PM-1.05PM | Women Medical Physicists. Current status in India | Dr. Shobbla Jayapralast, India |
| 01.05PM-01.20PM | Women and men in the Australasian college of physical sciendist and engiveers in medicine :Worlforce surrey | Dr. Eva Bezalk, Australia |
| 01.20PM-1.30PM | DISCUSSION |  |
| 01.30PM-02.30PM | Lumch |  |
| 02.30PM-04.00PM | SESSION 4: RADLATION PROTECTIONAND IMAGING OF WOXIEN PATIENTS |  |
| 2.30PM-3.00PM | Radiation safety aspects pertaining to female patients and staff | Dr. Nidhi Patui, India |
| 3.00PM-3.30PM | Dose management of preguant patients in Radiology | Dr. Jokn Damilalis, Greece |
| 3.30PM-4.00PM | Segmentation of Breast Masses using active contour modelling | Dr William Rae, South Africa |
| 04.00PM-05.00PM | VALEDICTORY FUNCTION AND AWARD DISTRIBUTION |  |
| 05.00PM-05.30PM | DUSK RELISH |  |

18th Asia-Oceania Congress of Medical Physics 16th South-East Asia Congress of Medical Physics (AOCMP-SEACOMP 2018) Kuala Lumpur, 11-14 November 2018.


## IOMP WOMEN

We are here for you to address the challenges faced by women in the field of Medical Physics.


Plysica Medica xox (2015) 1-6

Original paper
Female medical physicists: The results of a survey carried out by the International Organization for Medical Physics

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ceived 130 atober 2014
Received in revised fom
February 2015
Avalable online xxx
kewords:
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Medical plysicist
Female medial physidsts
Cender balance
Cender distribution

ABSTRACT
Introduction: The gender composition of the existing medical physicist (MP) workforce around the world is basically unknown. The International Organization for Medical Plysics (IOMP) performed a survey in order to investigate the number of MPs in countries around the world and the percentage of women MPs compared to total number of MPs
Materials and methods: A simple online questionnaire prepared as a Google Forms survey asking the country, the total number of MPs, the number of female MPs and finally the gender of the person providing the data was sent in mid-March 2013 to six regional member organizations of 10 MP , as well as contact points in many member countries.
Results: Sixty-six countries responded to the survey by mid-July 2013. Fifty two percent of those who filled the form were females, the rest males. The total number of MPs was 17,024, of which $28 \%$ were female (4807). The median values of percentages of females were 21\% in the USA, 47\% in Europe, 35\% in Asia, $33 \%$ in Arrica and $24 \%$ in Latin America.
Condusion: This is the first intermational survey that investigates the number and percentage of female MPs around the world. There are European countries that are far away from the target set by European Commission (40x) whereas in countries in the Middle East and Asia, female MPs actually outnumber males. This study is the first step in a more in-depth study that needs to be taken in near future. Q 2015 Associazione llaliana di Fisica Medica. Published by Elsevier Ld. All rights reserved.

28\% women MP worldwide


## \% of women in Medical physics profession IOMP Survey 2015



## IOMP 2015 Survey

66 countries, 17024 medical physicists, 4807, women MP, 28 \% women MP


## EC Communication 1999

Communication from the Commission COM(1999) 76 Final of 17.02.1999.

Brunale, 6.52013
SWD(2013) 171 fimal


She Figures
The only major publication presenting a Europe-wide data collection on women in science from tertiary education through to the job market.

European Commission. She figures 2003/2006/2009/2012 women and science statistics and indicators. Directorate-General for Research; Science and Society
She Figures 2012
"Although the country figures generally show an improvement over 2002, a profound gender imbalance is still observed in a vast majority of countries"
\% W Asia and Oceania Region



## IOMP 2017 preliminary results "Comments received"

- Not interested.
- Cultural reasons did not allow for the growth of women MP.
- In certain countries, it is a traditionally male dominated field.
- their family don't feel happy to send their daughters studying in radiation field.
- Women usually show interest in Sciences more than men because men have other options such as Military, Police and Administration.


## Leadership issues

- Only 29 \% of National Medical Physics societies have a woman President
- 8 \% of National Medical Physics societies did not have a single woman - in the board


## Leadership issues

\% of Women in the Medical Physics Board


## IOMP 2017 preliminary results "Comments received"

- There are countries in which \% women MP increased in the last years. This was due to higher percentage of women studying physics and/or contributing growth of foreign MP women integrating in the local national job market.
- Medical physics is certainly one of the subjects in physics that seems to
be more attractive to women than others.


## IOMP 2017 preliminary results "Comments received"

One country specifically, ACTIONS:
the \% of women was fairly consistent over the past several years as there has been no intentional strategy to increase this number.
In .2016, a Women's Committee was established to address professional issues faced by women in medical physics and to explore equity, diversity and inclusivity in the national medical physics community.
Furthermore, the particular organization of MP has sponsored and provided speakers for conferences focused on Women in Physics.

## EXCELLENT EXAMPLE!

Platoni P et al. Participation of women medical Physicists in European scientific events: The European experience. Eur J Med Physics: Physica Medica 46 (2018) 104-108

## Participation of wMPs in 8th ECMP 2014.

| Category | Female participants |
| :--- | :--- |
| Organizing committee | $36.4 \%$ |
| Scientific committee | $14.3 \%$ |
| Invited speakers | $25 \%$ |
| Oral presentations | $33.8 \%$ |
| Satellite lectures/Satellite symposiums | $23.5 \%$ |
| Review courses | $33.3 \%$ |
| Symposiums | $18.5 \%$ |
| Chairpersons | $23 \%$ |
| EFOMP working with the EC | $20 \%$ |
| EFOMP meets MEFOMP | $50 \%$ |
| Workshops-Round Tables | $18.8 \%$ |

## Eur J Med Physics: Physica Medica 46 (2018) 104-108

| Participation of wMPS in the 3rd ESTRO forum. |  |  |
| :--- | :--- | :--- |
| Category | Female participants |  |
| Scientific Advisory Group for the Physics Biennial meeting | $29.4 \%$ |  |
| Teaching lecture | Chair | $37.5 \%$ |
|  | Invited | $16.7 \%$ |
| Symposium | Chair | $40 \%$ |
|  | Co-Chair | $25 \%$ |
|  | Invited | $22.2 \%$ |
|  | Chair | $33.3 \%$ |
| Proffered papers | Presentations | $32.9 \%$ |
|  | Chair | $0 \%$ |
| Poster discussion | Presentations | $41.9 \%$ |
| Debate | Chair | $100 \%$ |
|  | Co-Chair | $0 \%$ |
|  | Invited | $0 \%$ |

## Eur J Med Physics: Physica Medica 46 (2018) 104-108

| Participation of wMPs in summer and winter EFOMP schools |  |  |
| :--- | :--- | :--- |
| School | Category | Female participants |
| Summer school 2013 | Teachers | $11.1 \%$ |
|  | Participants | $43.8 \%$ |
| Summer school 2014 | Teachers | $0 \%$ |
|  | Participants | $50 \%$ |
| Winter school 2015 | Teachers | $33.3 \%$ |
|  | Participants | $52.5 \%$ |
| Summer school 2015 | Teachers | $0 \%$ |
| Winter school 2016 | Participants | $50.7 \%$ |
|  | Teachers | $22.2 \%$ |
| Summer school 2016 | Participants | $51.9 \%$ |
|  | Teachers | $0 \%$ |
| Winter school 2017 | Participants | $46.4 \%$ |
|  | Teachers | $11.1 \%$ |
|  | Participants | $45.5 \%$ |

## Eur J Med Physics: Physica Medica 46 (2018) 104-108

Overall results of wMPs participation in Scientific events.

Category
Mean value

Organizing committee
50.0\%

Scientific committee
$18.7 \%$
Invited speakers
$22.0 \%$
Oral presentations
$33.7 \%$
Symposiums
$18.5 \%$
Chairpersons - Moderators
29.4\%

Satellite lectures/Satellite Symposiums
23.8\%

Review/Refresher Courses - Teachers
$18.2 \%$
Course directors
$0 \%$
Participants (Courses)

- Help UN Member States to implement standards by providing expertise and financial support.
- Assists other parts of the UN system in their efforts to advance gender equality.

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We envisage a world where all women and girls have equal opportunities and rights by 2030. Step It Up asks governments to make national commitments that will close the gender equality gap - from laws and policies to national action plans and adequate investment. NOW is the time to Step It Up!

- Member State commitments
- Additional partner commitments (regional organizations, civil society, private sector)
- Step It Up for Gender Equality Media Compact
- About Step It Up
- Planet $50-50$ by 2030 Campaign logo

World leaders agree: We must close the gender gap (27.09.2015)

- Robust actions mount, at one year mark of landmark meeting on gender equality and women's empowerment (27.09.2016)



## Conclusion

IOMP and IOMP Women Subcommittee make a lot of efforts to:

- Develop, implement and coordinate tasks and projects related to the role of females in medical physics scientific, educational and practical aspects.
- Disseminate the experiences, good practice and learning within IOMP NMOs and other relevant accessible areas/across the globe.
- Popularize the role of the women in medical physics and encourage female medical physicist to advance in the profession.
- Organize international cooperation in medical physics and related specialities.
- Provide regular status/progress updates to the IOMP on all tasks and projects related to the IOMP Female Group.
- Promote the contribution of female medical physicists at major scientific conferences such as WC and ICMP.


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THANK YOU

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