EUTEMPE-NET (http://www.eutempe-net.eu/) is a project for helping MEDICAL PHYSICISTS achieve MEDICAL PHYSICS EXPERT status and provide CPD for Medical Physicists and MPEs

IMPORTANT DATES FOR MODULE MPE01 2020
Application deadline: 15 May 2020
Online phase: 1 June 2020 – 31 August 2020
Onsite phase: Prague 7 - 9 September 2020
Optional Open-Book Assessment: Prague 11 Sep 2020

PLEASE NOTE CHANGE IN DATES FROM PREVIOUSLY ADVERTISED

Module MPE01: Leadership in Medical Physics, developments of the profession and challenges for the MPE (Diagnostic and Interventional Radiology)

119 EBAMP CPD Points (79 CPD credit points for those participants who do not sit for or do not pass the assessment; http://www.ebamp.eu/)

Abstract:
This module aims to help the future MPE in Diagnostic and Interventional Radiology (including imaging outside the D&IR department proper) acquire the knowledge, skills, competences and attitudes necessary to exercise a strategic leadership role within the profession in own country and in Europe both in terms of professional issues faced by the profession and own personal development as a leader. In the onsite phase participants will have the opportunity to interact with and discuss issues facing the profession and personal development directly with European leaders. The participants would also be updated with the latest EU directives, guidelines and policy statements impacting the role to ensure they are at the forefront of these developments. The module will achieve its learning objectives using a combination of online and onsite readings, fora, presentations and case studies. The online component will consist of sets of compulsory readings. Each set of readings will be accompanied by an online forum for difficulties and real world case studies to promote reflection on own attitudes towards leadership and discussions in preparation for the assessment. The online phase will be asynchronous so that participants can work around their clinical duties or personal commitments, there will not be a problem with time zones. Module participants can put forward the issues they are facing in their own country and receive feedback and advice. As preparation for the assessment, further case studies will be discussed with the panel of leaders. Onsite presentations will be sent to the participants 2 weeks before the start of the onsite phase. The learning outcomes are:

MPE01.01	Take responsibility for researching, evaluating, leading, and offering vision for the development of the role of the MPE (D&IR,) in the ambit of European and national legislation and a holistic vision of healthcare.
MPE01.02	Implement and evaluate strategic solutions to the challenges facing the MPE (D&IR) in own country and Europe.
MPE01.03	Evaluate the various models of management in terms of suitability for a Medical Physics Service and the use of project management tools.
MPE01.04	Learn the meaning of strategic leadership/negotiation and the importance of emotional intelligence for driving leadership performance.
MPE01.05	Take responsibility for the development of the role of the MPE (D&IR) in health care governance and management in D&IR.
MPE01.06	Discuss the role of the MPE (D&IR) in service development, health technology assessment (HTA), innovation and expert consultancy.
MPE01.07	Research, develop and lead the development of the role of the MPE (D&IR) in the education and training of medical physics trainees and other healthcare professionals.
MPE01.08	Manage the relationship of the MP/MPE with other healthcare professions in D&IR, with patients and with the general public and acquire better communication skills.
MPE01.09	Manage priorities regarding radiation protection research and medical physics input to clinical research projects needing the support of MPEs.
MPE01.10	Take responsibility for ethical issues in medical physics particularly in the areas of research and radiation protection in D&IR and apply them in practice.
MPE01.11	Learn how to participate in networks for research and development at the European and international level.
MPE01.12	Take responsibility for management of a Medical Physics Service in D&IR (including providing leadership, quality accreditation, staffing levels, clinical audit)
MPE01.13	Interpret the significance of liaising with the Radiation Protection Expert

Teaching Faculty

Prof Carmel J. Caruana Ph.D. FIPEM Module leader (Malta)
Formerly Chair EFOMP E&T Committee, lead author Role definition and E&T chapters 'European Guidelines on the MPE', author chapter for Medical Physicists in MEDRAPET, EFOMP representative on the EUTEMPE-RX project, author of several EFOMP policy statements
Prof Hilde Bosmans Ph.D. (Belgium) Coordinator EUTEMPE (D&IR) project, Formerly Chair Projects Committee EFOMP
Dr Marco Brambilla Ph.D. (Italy) President EFOMP, Past-Secretary General EFOMP
Brenda Byrne (Ireland) M.Sc.
Johan Sjöberg (Sweden) M.Sc.

ONLINE PHASE: 1 June 2020 – 31 August 2020 (59 hours participant time)

The online component will consist of compulsory readings on the topics below. Each set will be accompanied by an asynchronous online forum for difficulties and real-world case studies to promote reflection and discussion in preparation for the assessment. The programme is subject to ongoing development and educational QA.

1. Introduction to the module, leadership and strategic planning using the SWOT methodology
2. The role of D&IR within healthcare provision, today and tomorrow and its impact on our role (including role outside the D&IR department proper)
3. Milestones in the development of the role of the MPE in European legislation and documentation
4. Dimensions of quality health care and the role of the MPE (D&IR)
5. Health care governance and management and the MPE
6. Health care ethics and the MPE
7. Components of quality professional practice
8. European and international recommendations, guidelines, technical documentation and codes-of-practice impacting the activities of the MPE
9. Qualification and curriculum frameworks for the MPE in Europe
10. Project management for the MPE
11. Pedagogical principles and communication skill for the MPE
12. Management of a Medical Physics Service in D&IR (including providing leadership, quality accreditation, staffing levels, clinical audit)
13. Medical Sociology for the MPE (including role development, inter-professional issues)
14. Occupational - Organizational Psychology and Politics for the MPE
15. Qualitative research methodologies for the MPE
16. The role of the MPE in service development, health technology assessment (HTA), innovation and expert consultancy

ONSITE PHASE: DAY-TO-DAY PRAGUE 7 – 9 SEPTEMBER 2020 (21 hours participant time)

(subject to ongoing upgrade and educational QA)

Monday 7th September: Strategic leadership and Role Development	
08:30 – 09:00	REGISTRATION
09:00 – 09:10	Brief introduction (**CJ Caruana** and H Bosmans)
09:10 – 10:00	Strategic leadership and planning: what is it and how to do it? (**CJ Caruana**)
10:00 – 11:00	Knowing your legal role: The legal provisions of the role of the MPE in D&IR in 2013/59/Euratom (**B Byrne**, V Tsapaki, E Vano, CJ Caruana)
11:00 – 11:15	COFFEE
11:15 – 12:15	Know your legal role *well*: Elaboration of the role of the MPE (D&IR) in the European Guidelines on the MPE document EFOMP Policy Statement 16 (**CJ Caruana**)
12:15 – 13:15	Total Medical Physics: going beyond a limited meaning of dose optimisation - an overview (**H Bosmans**)
13:15 – 14:15	LUNCH
14:15 – 15:15	Total Medical Physics: going beyond a limited meaning of dose optimisation - application to CT (**M Brambilla**)
15:15 – 16:15	Expanding role boundaries: EFOMP Policy Statement 14 The role of the Medical Physicist in the management of safety within the MRI environment ; EFOMP Policy Statement 15: Recommended Guidelines on the Role of the Medical Physicist within the Hospital Governance Board (**CJ Caruana**)
16:15 – 16:30	COFFEE
16:30 – 17:30	**Case studies for discussion between participants and panel of experts** Case study 1: You have noticed that one of the interventional cardiologists in your hospital tends to produce high cumulative KAPs and long fluoroscopy times. He is aversive to other professions 'telling him what to do'. How would you tackle it? Case study 2: The head of radiology clinic comes up to you and says "We don't need an MPE here as our doses are according to national DRLs" How would you tackle it?
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Tuesday 8th September: Management, Personal Development and Educational issues	
09:00 – 10:00	Setting up, organizing and managing a Medical Physics Service for D&IR (**B Byrne**, E Vano, CJ Caruana)
10:00 – 11:00	Staffing levels for Medical Physics Services: Recommendations from the Guidelines on the MPE Project, EFOMP and the IAEA (**M Brambilla**)
11:00 – 11:15	COFFEE
11:15 – 12:15	Young leaders in action: personal development and life after MPE01
12:15 – 13:15	Project Management Tools (**J Sjöberg)**
13:15 – 14:15	LUNCH
14:15 – 15:15	Standards for Medical Physics Services and ISO accreditation: EFOMP Policy Statement 13 and British Standard BS 70000:2017 (**J Sjöberg**)
15:15 – 16:15	Emotional intelligence for driving leadership performance (**CJ Caruana**) Strategic negotiation (**CJ Caruana**)
16:15 – 16:30	COFFEE
16:30 – 17:30	**Case studies for discussion between participants and panel of experts** Case study 1: You want to employ another medical physicist. The manager of the department of radiology tells you that you have enough staff. How would you tackle it?

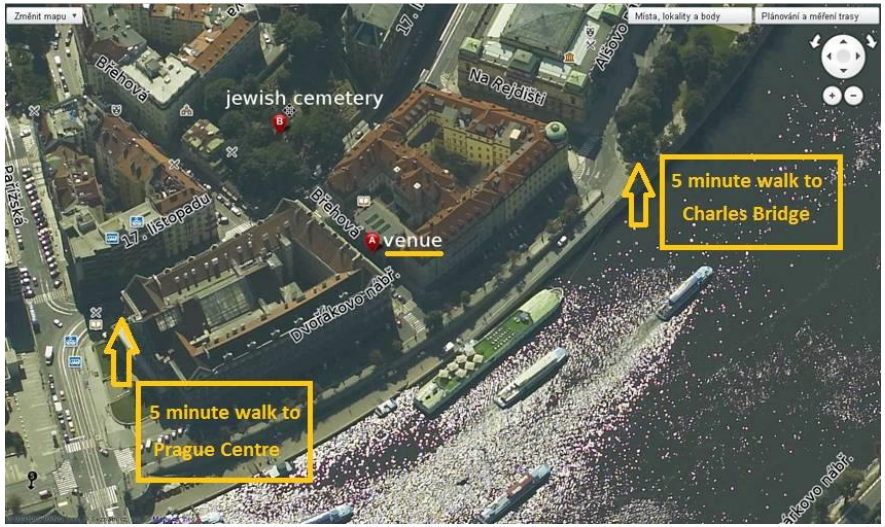
	Case study 2: It has come to your attention that an equipment procurement committee has been set up in your department. You have not been asked to sit on the committee. How would you tackle it?
Wednesday 9th September: Publicising and Internationalising the Role	
09:00 – 10:00	The involvement of the MPE at the national, European and international level in the development of medical radiation protection guidelines (**B Byrne**, E Vano)
10:00 – 11:00	Expanding your personal horizons: Involving yourself in your national NMO and EFOMP committees (**B Byrne,** CJ Caruana)
11:00 – 11:15	COFFEE
11:15 – 12:15	Medical Physics leadership - a personal journey from Belgium (**H Bosmans**)
12:15 – 13:15	Medical Physics leadership - a personal journey from Malta (**CJ Caruana**)
13:15 – 14:15	LUNCH
14:15 – 15:15	Raising the profile of the profession within and outside healthcare (**CJ Caruana**)
15:15 – 16:15	Communication skills for effective education of physicians and healthcare professions (**CJ Caruana**)
16:15 – 16:30	COFFEE
16:30 – 17:30	**Case studies for discussion between participants and panel of experts** Case study 1: You have taken up a job as lead medical physicist in the D&IR department of a medium sized hospital. An initial analysis indicates that the Medical Physics section has suffered from weak leadership in the past resulting in low staff motivation and low linkage to the clinical people. How would you tackle it? Case study 2: You have been practicing medical physics for several years. You feel that it's time for you contribute to the development of the profession both locally and on the European scale. Few people know you. How would you tackle it?
	Discussion: Writing the case studies. What will we be looking for? (**CJ Caruana**)
Thursday 10th September: Free day for personal study	
09:00 – 11:00	Tutorial session: Carmel will be available to help the participants with any difficulties.
Friday 11th September: Assessment Day (optional)	
09:00 – 13:00	The optional assessment mode will consist of a 4 hour *open-book* examination consisting of case study scenarios (4 to choose 3) of situations faced by the MPE (D&IR) in which candidates are expected to demonstrate that they have achieved sufficient vision and leadership to act as future leaders of the MPE (D&IR) profession. Participants are expected to back their arguments with quotes from EU directives and other documentation utilised **during both the online and onsite phases**. Please get your laptop with you and files on a flash disc or as hard copies. You are not allowed to connect to the internet during the examination. **PLEASE INFORM Carmel BY WEDNESDAY 16:30 IF YOU ARE TAKING THE EXAMINATION**

For any queries regarding this module please write to Carmel J. Caruana carmel.j.caruana@um.edu.mt
The enrolment form can be found at http://eutempe-net.eu/enrolment-information/
Application deadline is 15 May 2020 **Late applications will be considered only if free places are still available**

Accepted applicants will pay a REGISTRATION FEE of Euro 460. There is a reduced fee of Euro 280 from the first 6 applicants from the following countries: Albania, Belarus, Bosnia-Herzegovina, Bulgaria, Croatia, Czech Republic, Cyprus, Estonia, Greece, Hungary, Kosovo, Latvia, Lithuania, Macedonia, Moldova, Montenegro, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Turkey, Ukraine. A maximum of 6 participants will be accepted at the reduced fee. *Please note that as a service to the profession and patients the module leaders and lecturers have offered their services free of charge.*

Prague is one of the foremost cultural and tourist destinations in the world. It is situated in the geographical centre of Europe and you can get there by air, rail or bus from most cities in Europe. Here are some websites for you:
http://www.prague.eu/en http://www.360cities.net/area/prague-czech-republic http://www.pragueexperience.com/index.asp

The **course venue** in Prague is the **Faculty of Nuclear Sciences and Physical Engineering of the Czech Technical University**, Brehova 7, 115 19 Praha 1. It is **located directly in the city centre 5 minutes' walk from Prague's world famous historic Prague Centre (Old Town Square) and Charles Bridge.**



Staromestska metro station (Metro A, Green line) is midway between the course venue and Charles Bridge.

You can bring your own sandwiches for coffee breaks and lunches, however 6 coffee breaks and 3 lunches (Monday to Wednesday) cost only 60 Euro at the faculty. The 60 Euro should be paid to the Faculty of Nuclear Sciences and Physical Engineering during registration. Please inform Carmel Caruana on carmel.j.caruana@um.edu.mt by 1st August 2020 if you would like this service as the faculty would need to make preparations.

Prague is a major tourist city full of all types of hotels, hostels and all forms of restaurants, cafes and snack bars. All hotel/hostel booking sites include lists of accommodations in Prague. For low cost accommodation we suggest Czech Technical University's MASARYKOVA HOTEL AND HOSTEL located at metro stop Dejvicka. You can find more information about it here: http://www.masarykovakolej.cz/en/ From the airport take **bus 119**, stop at metro station Nádraží Veleslavín (Line A – Green Line), then it's only 2 metro stops to Dejvicka. The whole ride takes 30 – 40 minutes depending on traffic and costs about Euro 1. To book accommodation go to: http://www.masarykovakolej.cz/en/hotel/rezervation. 1 Euro is approx 25 Czech Crowns (written as CZK or Kc).

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(please check the latest version of Mobility Manual for any changes in conditions)