

Role of organisations



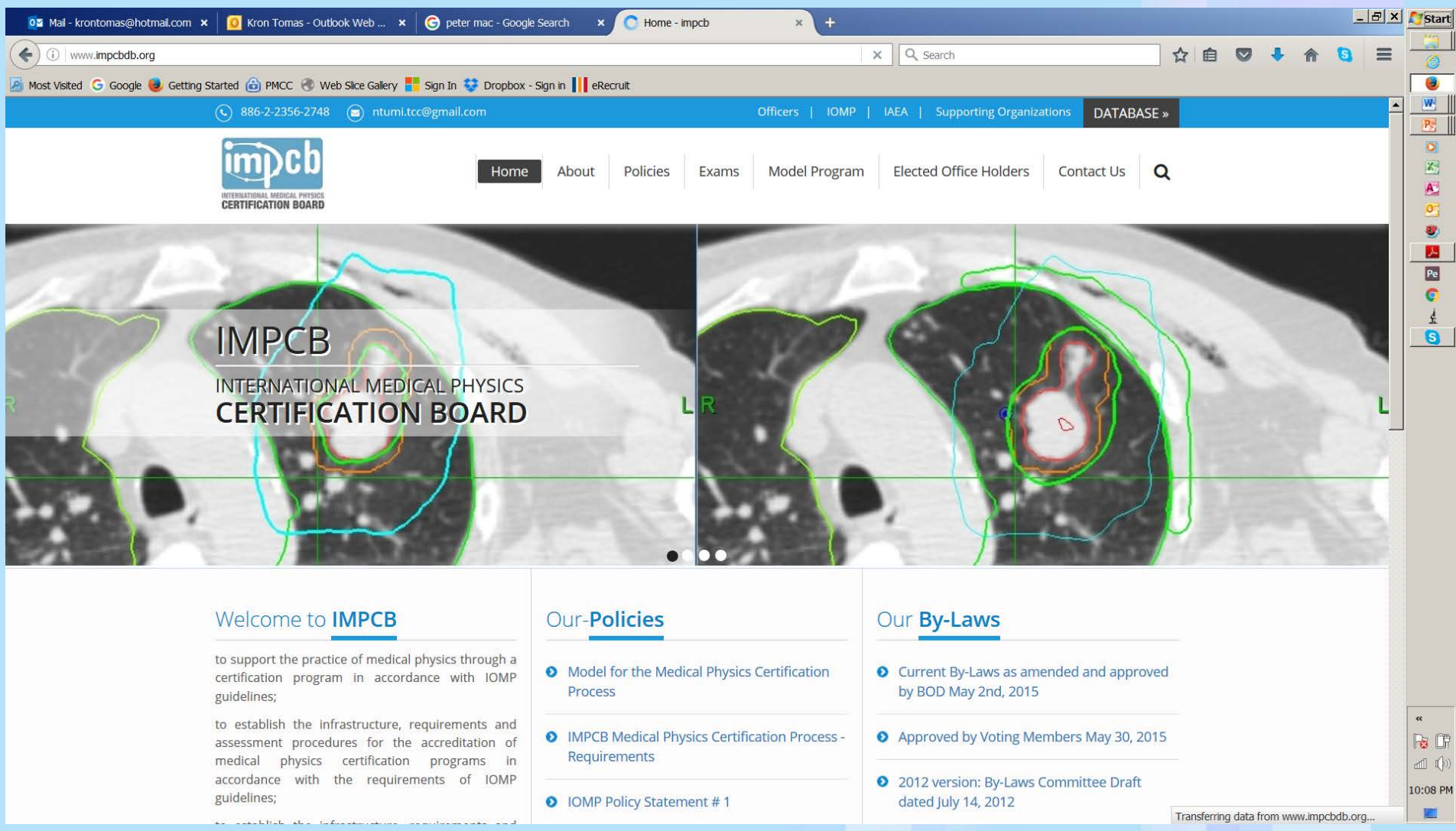
IMPCB

Tomas Kron

On behalf of many

IMPCB

- International Medical Physics Certification Board



www.impcbdb.org

886-2-2356-2748 | ntimi.tcc@gmail.com | Officers | IOMP | IAEA | Supporting Organizations | DATABASE »

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IMPCB

INTERNATIONAL MEDICAL PHYSICS
 CERTIFICATION BOARD

Welcome to [IMPCB](#)

to support the practice of medical physics through a certification program in accordance with IOMP guidelines;

to establish the infrastructure, requirements and assessment procedures for the accreditation of medical physics certification programs in accordance with the requirements of IOMP guidelines;

Our [Policies](#)

- Model for the Medical Physics Certification Process
- IMPCB Medical Physics Certification Process - Requirements
- IOMP Policy Statement # 1

Our [By-Laws](#)

- Current By-Laws as amended and approved by BOD May 2nd, 2015
- Approved by Voting Members May 30, 2015
- 2012 version: By-Laws Committee Draft dated July 14, 2012

Transferring data from www.impcbdb.org...

Board of Directors

Board of Directors



**President and Chair of BOD –
Colin G. Orton, PhD**

Term: January 2014 – December
2018



**Chief Executive Officer –
Raymond K. Wu, PhD**

Term: January 2014 – December
2019



**Secretary General – Ti-Chuang
(Timothy) Chiang, B.Sc.**

Term: January 2014 – December
2018



**Registrar and Chair of Registry
and Records Committee – Tae
Suk Suh, PhD**

Term: January 2014 – December
2017



**Chief Examiner and Chair of
Accreditation Committee –
Tomas Kron, PhD**

Term: January 2014 – December
2019



**Treasurer – Alejandro
Rodriguez Laguna, M.Sc.**

Term: January 2014 – December
2017



**At-Large Board Member 1 –
David Jaffray, PhD**

Term: January 2016 – December
2018



**At-Large Board Member 2 –
Xiance Jin, PhD**

Term: January 2014 – December
2017



**At-Large Board Member 3 –
Siyong Kim, PhD**

Term: January 2014 – December
2019



**Board Member and IOMP
Liaison 1 – John Damilakis, PhD**

Term: January 2016 – December
2018



**Board Member and IOMP
Liaison 2 – Paolo Russo, PhD**

Term: January 2016 – December
2017



**Board Member and IOMP
Liaison 3 – Kin Yin Cheung, PhD**

Term: January 2014 – December
2019



Link to professional organizations

- IOMP = principal supporting organization (with three board members)
- Other supporting organizations:
 - Associação Brasileira de Física Médica;
 - American College of Medical Physics;
 - Australasian College of Physical Scientists and Engineers in Medicine;
 - Chinese Society of Medical Physics;
 - Chinese Society of Medical Physics – Taipei;
 - Federación Mexicana de Organizaciones de Física Médica;
 - Hong Kong Association of Medical Physics;
 - Iraqi Medical Physics Society;
 - Korean society of Medical Physics;
 - Lebanese Association Of Medical Physics;
 - Nepalese Association of Medical Physicists;
 - Hong Kong Institution of Physicists in Medicine
 - Japanese Board for Medical Physicist Qualification
 - Nigerian Association of Medical Physicists



Objectives IMPCB

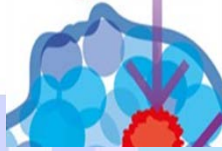
- To support the practice of medical physics through a certification program in accordance with IOMP guidelines;
- To establish the infrastructure, requirements and assessment procedures for the accreditation of medical physics certification programs in accordance with the requirements of IOMP guidelines;
- To establish the infrastructure, requirements and examination procedures for the certification of medical physicists in accordance with the requirements of IOMP guidelines;
- To provide guidance and support ...;
- To grant and issue certificates ...;
- To maintain a registry ...; and
- To establish that continuing education and professional development are required for certified medical physicists.



Practices of IMPCB

- Accredit national or regional certification boards
- Certify medical physicists in countries where no local certification pathway exists



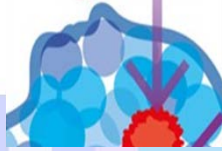


What criteria?

- IOMP policy documents
- IAEA documents
- Informed by the experience with existing certification schemes



Frankfurt Yardstick
1778



A bit of history

- 2008 - ILO recognizes medical physics as a profession (80% of participants of ICARO2 agreed on 20/6/2017)
- 2010 – IMPCB formed
- 2012 – model program developed
- 2015 – requirements for certification document
- 2015 – first IMPCB accreditation
- 2017 – first part I and II exams for individual certification



The 'model' program

- **Part I Written Examination (General Medical Physics)**
- Education – graduation from an accredited college or university with an advanced degree (Masters or Doctorate) in physics, medical physics or an equivalent degree in an appropriate physical or engineering science discipline.
- Professional Training – none required

- **Part II Written Examination (Medical Physics Specialty)**
- Education – requirements as specified above for Part I
- Professional Training – 2 (two) years full-time equivalent training preceding the date of application for examination. The training should be carried out under the supervision of a Certified Medical Physicist (CMP) specializing in the same sub-field or under the supervision of a qualified individual with a level of professional experience and expertise equivalent to that of a CMP.

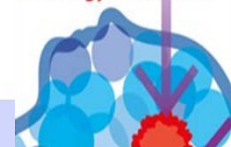
- **Part III Oral Examination (Medical Physics Specialty)**
- Prerequisites – successfully passed Parts I and II



Accreditation

- Accredit national or regional certification boards
 - Korean Medical Physics Certification Board / Korean Society of Medical Physics
 - Hong Kong Association of Medical Physics
 - Others in progress





Accreditation process

International Medical Physics Certification Board



Summary of the application procedure for accreditation of national/regional medical physics certification boards

IMPCB

The International Medical Physics Certification Board (IMPCB) has the objective to support the practice of medical physics through an accreditation programme for national/regional certification boards and an individual certification program for individuals where national certification systems are not available in accordance with the guidelines of the International Organization for Medical Physics (IOMP). It does this by establishing the knowledge, skills and competences requirements, evaluation of curricula and assessment procedures in the case of accreditation of medical physics certification programs and examination of individuals in the case of certification of individual medical physicists.

- Formal application
- Fee
- Evaluation by accreditation committee
- Recommendation to ExCOM
- Site visit (if likely to succeed)
 - Visit hospital + university
 - Talk to students/residents

CHECKLIST

Before filling in the application please ensure you have accessed the IMPCB webpage (<http://www.impcb.org/Home140712.htm>) and accessed the Model Program and the requirements for certification document.

The following items must be submitted:

- Cover letter with contact details and list of submitted items
- Description of the organisation/certification body. This should include:
 - Date of foundation
 - National/regional scope
 - Structure
 - Governance (please clarify if there is governance independent of the medical physics profession)
 - By-Laws or similar document
 - List of office bearers and terms of office
 - Links to professional organisations
- List of specialties of medical physics for which certifications are offered (e.g., Radiation Oncology Physics, Diagnostic and Interventional Radiological Physics, Nuclear Medicine Physics)
- Number of certified persons in each specialty – please state any restrictions (nationalities, members of certain professional organisations) that may apply
- Number of certifications per year for the last three calendar years: 2012, 2013 and 2014
- Legal/regulatory status of the certification (e.g., is it required to practice?)
- Qualifications and experience required from applicants for certification including:
 - Degree(s) – include any requirements for the universities that provide the education
 - Years of supervised training
- Detailed description of the certification process including:
 - Frequency of examination
 - Type and length of examination (written, open/closed book, oral, practical), ~~passmark~~ and grading (if any)
 - Documentation detailing how different parts of the examination will be combined to obtain the final passing score
 - Sample questions (translated to English)
- A copy of all documents that are made available to candidates
- Details of complaints or appeal process (if applicable)
- Details on any requirements for continuing professional development (CPD) for individuals to maintain certification. Please provide a copy of these or a link to where they are specified online.
- Details of any education/training scheme that is leading to the certification in question if applicable.



Certification

- Individuals who have no access to national or regional certification (difficult to assess)
- Three parts:
 - Part I written: general physics
 - Part II written: specialty physics
 - Part III oral
- Follows model program and is linked to three subcommittees of the IMPCB accreditation committee



First certification exam



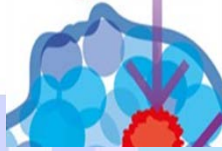
- Trieste
- Radiation Oncology
Medical Physics
- Part I and II only
- Collaboration with
ICTP at the end of a
two week course
- 7 candidates

April 7 and 8, 2017



Conclusion

- IMPCB is a relatively new group
- Objective to create a credible certification for medical physicists
- Not in competition to national boards



Thank you

- Particular acknowledgements:
 - IOMP
 - Supporting organizations
 - KSMP
 - HKAMP
 - IAEA
 - ICTP