

DECLARATION OF PERSONAL INTERESTS

POLICY

It is ICNIRP's aim to provide guidance and recommendations on protection from non-ionizing radiation exposure based on thorough professional evaluation of the published scientific literature. To achieve this goal, ICNIRP relies on the scientific knowledge and judgment of independent experts. For ICNIRP it is imperative to avoid that personal interests of its members affect the independence of ICNIRP's guidance. In this view, the ICNIRP and SEG members are asked to declare any personal interests in relation to the activities of ICNIRP.

The declaration of interests is to be completed at the time of acceptance of nomination for an election updated after election, annually, and each time a change of personal interest occurs. The declarations of personal interests are requested from all:

- candidates to an ICNIRP position;
- ICNIRP Commission members;
- ICNIRP Scientific Expert Group members.

Upon completion and signature, the declaration is to be sent electronically to Dr. Gunde Ziegelberger, ICNIRP Scientific Secretary at g.ziegelberger@icnirp.org.

Declarations of all elected members of ICNIRP and its Scientific Expert Group will be posted in due course on the ICNIRP website. All publications of ICNIRP shall contain an acknowledgement with regard to the online availability of the declaration of personal interests.

The declarations are evaluated by the Commission. If there is any conflict of interest, the Commission decides in accordance with the ICNIRP provisions entailed in the Charter and Statutes (see below), about the action required. The general principle of ICNIRP's approach is that neither the personal, nor the professional life, of its members should depend on NIR-relevant industries or any other NIR interest groups. It is recognized that scientific expertise implies a wide range of professional and academic experiences and activities, called personal interests, which however do not per se automatically lead to a conflict. The evaluation of personal integrity is very complex and might never be achievable in a perfect way. It is the duty of the ICNIRP Commission to carefully consider and decide if the declared interests potentially constitute a conflict of interest.

As per the ICNIRP Statutes, "no member of the Commission shall hold a position of employment that in the opinion of the Commission will compromise its scientific independence. (...) When a change occurs in a member's employment which, in the opinion of the Commission members, may compromise the Commission's scientific independence, the Commission shall decide whether this member can continue to serve". The Commission decision shall be taken by a simple majority vote, either by a formal letter ballot, at a special commission meeting called for that purpose, or at its Annual General Meeting (ICNIRP Statutes, §6(2)).

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LAST NAME, First name: STUCK, Bruce	POSITION WITHIN ICNIRP (SEG or Commission Member, incl. nominee): MEMBER OF 3
SEG Groups on (1) Laser Pointers, (2) LEDs and (3) Laser Guidelines	
<p>ACTIVITIES AND ASSETS from 2015-2018 and in 2019-2020</p> <p>Always mention the title of the activity, function, asset listed, and the name of company, organization, or institution involved.</p> <p>Please, report activities and assets including any current application or negotiation for future work.</p>	
EMPLOYMENT	
<p>Employer(s), function, title: Retired since 2012 from Army Medical Research. Since 2012, a part-time, independent Consultant on Non-ionizing radiation bioeffects. Title: Optical Radiation Biophysicist. Address: 23106 Osprey Ridge, San Antonio, TX 78260, USA</p> <p style="text-align: right;">Period: 2015-2020</p>	
UNPAID CONSULTANCY, ADVISORY POSITIONS AND SERVICES	
<p>Unpaid consultancy including service as a scientific or other advisor. Unpaid advisory office or services for a commercial entity or any organizations and/or as part of a regulatory legislative or judicial process with an interest in NIR (i.e. membership in scientific councils, associations, etc.):</p> <p>Name and description of the activity: American National Standards Institute’s (ANSI) Accredited Standards Committee Z136 (ASC Z136 on the Safe Use of Lasers. As a part of ASC Z136 I am member of the following 5 Standards Subcommittees(SSCS) – SSC1 on the Safe Use of Lasers, SSC3 on Safe use of lasers in Health Care, SSC4 on Measurements and Instrumentation, SSC5 on safe use of lasers in educational institutions, SSC7 on eyewear and barriers. I am a member of 3 Technical Subcommittees (TSCs) - TSC1 on Laser Bioeffects and Medical Surveillance (past chair), TSC4 on laser control measures, and TSC7 on hazard analysis and applications. I am a member of the Laser Institute of America (LIA) and serve on the editorial board for the j of Laser Application. I am a member of the Association for Research in Vision and Ophthalmology (ARVO) and the Biomedical Optical Society of the SPIE. Activities with these organization includes manuscript review and assistance with symposia and conferences. I am a member of the American Conference of Governmental and Industrial Hygienists Physical Agents Committee (ACGIH-PAC) where I assist ACGIH in the review and update of ACGIH Threshold Limit Values (TLVs) for non-ionizing radiation. All activities are unpaid and require an appointment to serve. ACGIH support travel and per diem to the two PAC meetings each year.</p> <p style="text-align: right;">Period: 2015-2020</p> <p>Personal advantages (hospitality, prestige, etc. - specify and quantify): These appointments require review of technical literature on the biological effects of non-ionizing radiation and translate this knowledge base to useable, science based, and harmonized (where possible) non-ionizing radiation protection exposure limits. The perspective garnered from interactions with a broad, diverse group of radiation effects and protection professionals provides a valued perspective to address ICNIRP radiation protection issues. Conversely, since many radiation protection guidelines is based on past ICNIRP guidance, It is beneficial to communicate ICNIRP guidance and promote harmonization of both the rationale for and harmonization of non-ionizing radiation exposure limits.</p>	

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PAID CONSULTANCY, ADVISORY POSITIONS AND SERVICES	
Paid consultancy including service as a scientific or other advisor. Paid advisory office or services for a commercial entity or any organizations and/or as part of a regulatory legislative or judicial process with an interest in NIR (i.e. membership in scientific councils, associations, etc.):	
Name and description of the activity: Consultant to Perfect Lens, LLC on a proprietary project under a signed confidentiality agreement to provide advice and written assessment on biological exposure limits as applied to their repetitively pulsed femtosecond laser application for use in medical application in the eye. Deliverables include oral and written reports on the device hazard assessments. Period: 2017-2020	
Name and status of the contractor: Contractor Address: Perfect Lens, LLC., 1778 Parc Circle, Ste B, Irvine, CA 92614. Status: Completed July 27, 2018 with the provision that the consultancy agreement would be held open in 2019 (or longer?) pending further requirements from the company.	
Income (amount and percentage of yearly laboratory/working group/personal income): During 2018, the final consultancy fee of \$892 was paid. This was < 1% of personal income from my retirement annuity during 2018 tax year.	
RESEARCH SUPPORT RECEIVED FROM COMMERCIAL ENTITIES	
Grants, collaborations, sponsorships, other funding and in kind support valued at more than EUR 1000 overall (include equipment, facilities, staff, paid travel to meetings, etc.)	
Name and description of the activity: None Period: 2015-2020	
Name and status of the contractor: None	
Unit receiving and managing the research funding from the above activity (University/Unit/Laboratory/Personal Research Fund/Other): N/A	
Income (amount and percentage of yearly laboratory/unit/personal income): N/A or 0 euro	
It is assumed that you are free of publishing whatever results your research shows without the influence from the entity funding your research. Is this explicitly stated within the contract?	
Yes <input type="checkbox"/>	Please specify the wording used in the contract:
No <input type="checkbox"/>	Please describe how your independence is safeguarded:

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INVESTMENTS AND COMMERCIAL INTERESTS
Investments (income valued at more than EUR 1 000) in a commercial entity, in a trust or holding company with an interest related to NIR. List, for example, any commercial business interests (e.g., proprietorships, partnerships, joint ventures) and stocks, bonds, stock options, other securities (e.g., short sales) - excluding broadly diversified mutual funds, pension funds or similar investments.
Investment/Share: My investments are in a Charles Schwab Managed Account that includes stocks, bonds, a mutual fund component and other securities. The portfolio includes no investments that are known to be directly related to non-ionizing radiation. Period: 2015-2020
Income (expressed in relation to other personal income): N/A or 0 euro
INTELLECTUAL PROPERTY
Such as patents, trademarks, or copyrights (also include pending applications) and proprietary know-how in a substance, technology or process.
Property: None Period: 2015-2020
Income (expressed in relation to other personal income): N/A or 0 euro
ADDITIONAL INFORMATION
When relevant, please provide details about the subject, the parties involved, the time-frame and any other relevant details.
To your knowledge, would the outcome of your activities within ICNIRP benefit or adversely affect interests of others* with whom you have substantial common personal, financial or professional interests (such as family members or colleagues)?
The outcome of ICNIRP activities provide no personal or financial benefits nor do they adversely affect my activities or those of my spouse, adult children or my sibling. Period: 2015-2020
Is there any other aspect of your personal background or present circumstances not addressed above that might be perceived as affecting your objectivity or independence?
My interest in science-based and harmonized non-ionizing radiation protection guidelines are affected by ICNIRP outcomes and do affect other professionals involved in radiation protection and safety. Updates to optical and radio frequency radiation guidelines do impact non-ionizing radiation hazard and safety assessments worldwide since many guidelines are anchored to the ICNIRP Guidelines, Period: 2015-2020

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I hereby declare that the disclosed information is true and complete to the best of my knowledge. Should there be any change to the above information, I will promptly notify the ICNIRP Secretariat and complete a new declaration of interests which takes the changes into account.

Date: **January 9, 2019**

Name: **BRUCE E STUCK**

Signature: *Bruce E Stuck*

* Information provided here may be protected by privacy rights. Thus, ICNIRP reserves the right to anonymize this field before DOI disclosure.