

## 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 by:

- all candidates to an ICNIRP position;
- all ICNIRP Commission members including the Scientific Secretary;
- all 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](mailto: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 responsibility 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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<b>LAST NAME, First name: STUCK, Bruce</b>		<b>CURRENT OR APPLIED POSITION WITHIN ICNIRP: Member of PG <u>Data Gaps</u> and PG <u>HG Guideline</u></b>	
<b>ACTIVITIES AND ASSETS</b>		<b>Period 2013-2016 and 2017</b>	
Always mention the title of the activity, function, asset listed, and the name of company, organization, or institution involved.		Please, also report any current application or negotiation for future work	
<b>EMPLOYMENT</b> (main employer, function, title)			
Retired, part time Independent Consultant on non-ionizing Radiation Bioeffects		<b>Period: 2016-2020</b>	
Title: Optical Radiation Biophysicist - Independent Consultant			
23106 Osprey Ridge			
San Antonio, TX 78260 USA			
<b>UNPAID CONSULTANCY, ADVISORY POSITIONS AND SERVICES</b>			
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.):			
<b>Name and description of the activity</b>		<b>Personal advantages (hospitality, prestige, etc. - specify and quantify )</b>	<b>Period:2016-2020</b>
I am a voting member of the American National Standards Institute's (ANSI) Accredited Standards Committee Z136 (ASC Z136) on the Safe Use of Lasers and Chair the Technical Subcommittee on Laser Bioeffects and Medical Surveillance and am a participating member of three other ASC Z136 subcommittees ( <a href="http://www.z136.org">http://www.z136.org</a> ). I participate in the drafting and review of ASC Z136 documents. My participation is unpaid		The unpaid appointments are by appointment only. They require constant review of the technical literature on non-ionizing radiation bioeffects. This knowledge base is then translated to useable, science-based, and harmonized (where possible) radiation protection exposure limits. While my active professional career was focused on and funded by the U.S. military medical research programs, these activities (ANSI,	
I am a member of the Laser Institute of America (LIA) and serve on the editorial board for the Journal of Laser Applications published by the LIA. I am a member of Association for Research in Vision and Ophthalmology and Biomedical Optical Society of the SPIE. My activities with these organizations include manuscript review and assistance in the organization of selected symposia or conferences. My activities are unpaid.			

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<p>I am serving a term as a member of the Physical Agents Committee (PAC) of the American Conference of Governmental and Industrial Hygienists (ACGIH) . I assist ACGIH (<a href="http://www.acgih.org">http://www.acgih.org</a> ) in updating Threshold Limit Values (TLVs) for non-ionizing radiation. This activity is unpaid although the ACGIH support travel and per diem to the two meetings of the PAC each year.</p>	<p>ICNIRP, ACGIH) promulgated radiation protection guidelines and limits for general consideration and use.</p>
<p><b>PAID CONSULTANCY, ADVISORY POSITIONS AND SERVICES</b></p>	
<p>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.):</p>	
<p><b>Name and description of the activity:</b> Consultant to Perfect Lens, LLC on a proprietary project under a signed confidentiality agreement to provide advice and written assessments on biological effects and exposure limits pertinent to their repetitively pulsed femtosecond laser application proposed for use in a medical application in the eye. Deliverables include written ocular effects reports and assistance to technical staff on the issue and hazard assessment findings.</p> <p><b>Name and status of the contractor:</b> Perfect Lens, LLC, 1778 Sky Parc Circle, Ste B., Irvine, CA 92614. A final report has been issued but the consultancy remains open pending further requirements from the company. I have no financial interest in the product but have received a consultancy fee.</p>	<p><b>Income – amount and percentage of yearly laboratory/working group/personal income (specify) :</b> My base annual income is derived from my retirement annuity and prior investments. This consultancy has resulted in less than 2.0 % (\$2100) of my annual total income.</p> <p><b>Period: 2016-2020</b></p>
<p><b>RESEARCH SUPPORT RECEIVED FROM COMMERCIAL ENTITIES</b></p>	
<p>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.)</p>	
<p><b>Name and description of the activity:</b> N/A</p> <p><b>Name and status of the contractor:</b> N/A</p> <p><b>Which unit receives and manages the research funding from the above activity?</b> University/Unit/Laboratory/Personal Research Fund/Other: N/A</p> <p><b>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?</b></p>	<p><b>Income – amount and percentage of yearly laboratory/unit/personal income (specify) :</b> 0</p> <p><b>Period: 2016-2020</b></p> <p><b>Please describe how your independence is safeguarded:</b> N/A</p> <p><b>If, yes. Please specify the wording used in the contract:</b> N/A</p>

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Yes  No

### 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 diverse, 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 (NIR). Hence no specific disclosure is required** **Period: 2016-2020**

**Income: N/A or 0 €**

### INTELLECTUAL PROPERTY

Such as patents, trademarks, or copyrights (also include pending applications) and proprietary know-how in a substance, technology or process.

**Property: N/A** **Period: 2016-2020**

**Income: N/A or 0 €**

### 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 your spouse or partner, adult children or siblings)?

**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: 2016-2020**

**My interest in science-based and harmonized non-ionizing radiation protection guidelines are affected by ICNIRP outcomes and do affect other professionals involved in non-ionizing radiation protection and safety. Updates to optical and radio frequency radiation guidelines do impact non-ionizing radiation hazard and safety and safety assessments worldwide since many guidelines are anchored to the ICNIRP guidelines.**

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Is there any other aspect of your background or present circumstances not addressed above that might be perceived as affecting your objectivity or independence?

**NO**

**Period: 2016-2020**

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: **October 17, 2016**

Name: **Bruce E. Stuck**

Signature:

