

# 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 Commission and Scientific Expert Group (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 SEG members
- ICNIRP Scientific Secretary

Upon completion and signature, the declaration is to be sent electronically to the ICNIRP Secretariat at [info@icnirp.org](mailto:info@icnirp.org).

Declarations of all elected members of ICNIRP and its SEG will be posted 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 commercial entities 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 be difficult to achieve to the satisfaction of all parties. It is the responsibility of the ICNIRP Board and 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)).

Where an elected member's declaration of interest has been evaluated and ICNIRP has concluded that it does not represent a conflict of interest, the reasons for ICNIRP's determination are provided below.

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| <b>LAST NAME, First name:</b> STUCK, Bruce  | <b>POSITION (SEG, Commissioner, Sc. Secretary, incl. nominee):</b> SEG |
| <p><b>ACTIVITIES AND ASSETS relating to the years 2020-2023</b></p> <p>Please report activities, relationships and assets below, including any current application or negotiation for future activities, relationships and assets, as well as anything else that could be perceived as potentially representing a conflict of interest in relation to the activities of ICNIRP. Please provide explanation for acronyms.</p> <p><i>If you want to report more than one item in a specific category, insert a new line by copying and pasting the cell of the concerned category.</i></p>  |  |
| <p><b>EMPLOYMENT</b></p> <p><b>Employer(s), function, title:</b> Retired since 2012 after working for the US Army Medical Research Programs (Frederic, MD, USA) for 42 years in their non-ionizing radiation bioeffects and protection programs. For the period from 2020 to 2023, I have been a 'part time' independent consultant on non-ionizing bioeffects. Title: Optical Radiation Biophysicist. Address: 23106 Osprey Ridge, San Antonio, TX 78260, U.S.A.</p> <p><b>Dates – Start/End-Ongoing:</b> October 2012 to present. (After retirement from US Army Medical Research Programs.)</p>  |  |
| <p><b>UNPAID CONSULTANCY, ADVISORY POSITIONS AND SERVICES</b></p> <p><i>These include unpaid consultancy and service as a scientific or other advisor for any commercial or non-commercial organization with an interest in NIR (including membership in scientific councils, associations, etc.) or as part of a regulatory, legislative or judicial process concerning NIR.</i></p> <p><b>Name and description of the activity:</b> American National Standards Institute's Accredited Standards Committee Z136 (ANSI ASC Z136) for the Safe Use of Lasers. I am a voting member of ANSI ASC Z136 General Committee and serve on the following Standards Sub Committees: SSC-1 on the Safe Use of Lasers, SSC-3 for the Safe Use of Lasers in Health Care Facilities, SSC-4 on Best Practices for Measurement and Instrumentation, and SSC-7 on Testing and Labeling of Laser Protective Equipment. I am a member of three (3) Technical Subcommittees, TSC1 on Laser Bioeffects and Medical Surveillance (past chair), TSC 4 on laser control measures, and TSC 7 on Hazard Analysis and Applications. I am a member of the Laser Institute of America, the Association for Research in Vision and Ophthalmology, and the Biomedical Optical Society of the SPIE. Activities with these organizations 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 update and review of Threshold Limit Values (TLVs) for non-ionizing radiation. All ACGIH activities are unpaid and require an appointment to serve. ACGIH supports reimbursement for travel expenses albeit, due to the pandemic, all meetings from 2020 to date have been virtual ('Zoom') meetings. Served on the ICNIRP Commission from 2004-2016 and SEGs from 1999-2003 and 2017-2022.</p> <p><b>Dates - Start/End-Ongoing:</b> 2020 to present (ongoing)</p> |  |

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| <b>Name and status of the contractor:</b>  |
| Not applicable <input type="checkbox"/>  |
| <b>PAID CONSULTANCY, ADVISORY POSITIONS AND SERVICES</b><br><i>These include paid consultancy and service as a scientific or other advisor for any commercial or non-commercial organization with an interest in NIR (including membership in scientific councils, associations, etc.) or as part of a regulatory, legislative or judicial process concerning NIR.</i>   |
| <p><b>Name and description of the activity:</b> SG Associates. SG Assoc. is an entrepreneurial company evaluating applications of scanned, multi-wavelength laser and directed ultrasound in detection, signaling, tracking and imaging. They have formed an advisory board of 'experts' to discuss innovative applications of laser radiation and ultrasound. Applications explored must not exceed permissible exposure limits. SG Associates, Del Ray Beach, Florida, U.S.A. Innovative applications of multi-wavelength lasers and directed ultrasound in detection, signalling, tracking, and imaging. SG Assoc. has formed an advisory board of a group of 'experts' to discuss potential innovative applications.</p> <p><b>Dates – Start/End-Ongoing:</b> 2020 – March 2023</p> <p><b>Name and status of the contractor:</b> SG Associates, Del Ray Beach, Florida, U.S.A.: Innovative applications of multi-wavelength lasers and directed ultrasound in detection, signalling, tracking, and imaging. SG Associates. SG Assoc. has formed an advisory board of a group of 'experts' to discuss innovative applications of these technologies. A 'breadboard' demonstrating system integration challenges has been fabricated. A written optical radiation hazard analysis (and update !) was prepared in accordance with the SG Assoc. Discovery Board Directive. Applications explored must not exceed permissible exposure limits</p> <p><b>Recipient of Income:</b> Personal Income</p> <p><b>Income (percentage of the above-mentioned unit's income):</b> For tax years 2021 and 2022 Income from SG Associates was &lt;1.4 % of my annual retirement income.</p> |
| Not applicable <input type="checkbox"/>  |

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### RESEARCH SUPPORT RECEIVED FROM COMMERCIAL ENTITIES

*These are research support, grants, collaborations, sponsorships, other funding and in-kind support valued at more than EUR 1000 overall (including equipment, facilities, staff, paid travel to meetings, etc.).*

Name and description of the activity: [None since 2017.](#)

Dates – Start/End-Ongoing:

Name and status of the contractor:

Unit receiving and managing the income: [Select unit receiving income](#)

Income (percentage of the above mentioned unit's income):

Are you free to publish whatever results your research shows without the influence from the entity funding your research?

Yes ☐

Wording used in the contract:

No ☐

Please describe how your independence is safeguarded:

Not applicable ☒

### INVESTMENTS AND COMMERCIAL INTERESTS

*Investment and commercial interests mean investments in a commercial entity, in a trust or holding company. This includes any commercial business interests (e.g., proprietorships, partnerships, joint ventures) and indirect investments such as a trust or holding company, stocks, bonds, stock options, or other securities. Broadly diversified mutual funds, pension funds or similar investments that are broadly diversified and on which the member does not exercise control are excluded. Members shall declare any current, past or planned investments and commercial interests they hold in the NIR area, when such an interest is valued at more than EUR 1000.*

Name of the investment/share: [None – my investment portfolio has never included non-ionizing radiation enterprises.](#)

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| <p>Dates – Start/End-Ongoing:</p> <p>Income (percentage of yearly personal income):</p>   |
| <p>Not applicable <input checked="" type="checkbox"/></p>   |
| <p><b>INTELLECTUAL PROPERTY</b></p> <p><i>Intellectual property is patents, trademarks and copyrights (also pending applications) and proprietary know-how in a substance, technology or process.</i></p>   |
| <p>Designation of the property:</p> <p>Dates – Start/End-Ongoing:</p> <p>Income (percentage of yearly personal income):</p>   |
| <p>Not applicable <input checked="" type="checkbox"/></p>   |
| <p><b>ADDITIONAL INFORMATION*</b></p> <p><i>This includes information concerning the interests of a person with whom the member has personal or professional ties (such as a family member or close colleague) when that person's interests (professional activities or financial engagements in the NIR area) may be impacted positively or negatively by the work of ICNIRP.</i></p> <p><small>* Information provided here may be protected by privacy rights. ICNIRP will anonymize this field before DOI disclosure.</small></p>  |
| <p><b>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)?</b></p> <p><b>Please provide a description of the others' interests that are potentially affected by your ICNIRP activities:</b> The outcome of ICNIRP activities provide no financial (monetary) benefits to me, my family, or professional colleagues with interests in non-ionizing radiation bioeffects and protection doctrine. ICNIRP's publications (Guidelines and Statements) require a review and consensus among a group of experts and approval by the ICNIRP Commission and hence provide no direct financial benefits to me or participants in their drafting. While interactions with ICNIRP SEGs and the Commission members are important to me (and hopefully to them), these</p> |

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interactions are not compensated but are clearly important to my professional interactions. Since Guidelines and Statements have been vetted by independent critique, review and approval by the ICNIRP Commission with assistance from their SEGs, the beneficiary of ICNIRP activities are to those who use the Guidance to assure the safe use of current and emerging non-ionizing radiation applications. ICNIRP provides science-based guidance to assure there are no human adverse effects of non-ionizing radiation when ICNIRP Guidelines and Statements are followed.

**Dates – Start/End-Ongoing:** 2020-2023

Not applicable ☐

**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?**

**Please provide a description of the other aspects that are potentially affecting your objectivity or independence:** Due to age and minor health issues, I have 'slowed down 1-2 years of professional activity. I do look forward to the update of the ICNIRP radiation protection guidelines for optical radiation (e.g. lasers). Nonetheless, I am confident that I can contribute to that effort. I would encourage ICNIRP to solicit other optical radiation experts (perhaps younger) to assist the SEG and the Commission.

**Dates – Start/End-Ongoing:**

Not applicable ☐

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.

I hereby provide my consent that my declaration of interest will be made available publicly via the ICNIRP website as per the condition stated under "policy".

**Date:** October 3, 2022

**Name:** Bruce E. Stuck

**Signature:**

Signature covered by ICNIRP  
Signature covered by ICNIRP  
Signature covered by ICNIRP  
Signature covered by ICNIRP

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### COMMENTS FROM ICNIRP ON THIS DECLARATION OF PERSONAL INTERESTS:

AS THE INCOME GENERATED BY DR STUCK'S ADVISORY ACTIVITY REPRESENTS ONLY A SMALL PROPORTION OF THE PERSON'S INCOME ICNIRP DOES NOT CONSIDER THAT THIS REPRESENTS A CONFLICT OF INTEREST. APPROVED.