

Guidelines for Most Significant Contribution Qualification for Fellow Candidates

Approved by the H&A Committee – November 2021

Candidates for ANS fellow must have acknowledged scientific, engineering and leadership attainments and must have advanced the science or art of nuclear technology by very significant contributions in one of the following five categories.

The below comments are intended to assist the primary sponsor to complete the nomination form items and does not replace that form.

1. Notable original research or invention in the nuclear field

A summary of key peer reviewed archival journal publications which clearly document the original contribution and its significance; a summary of career highlights together with the sponsor letters from experts in the field of the candidate identifying the significance of the original contribution.

2. Scientific or technical leadership in a nuclear enterprise of substantial scope

A summary of the specific unique leadership role played by the candidate and the national recognition accorded the candidate as a result, by their peers as documented in the sponsor letters. Where appropriate include peer reviewed publications by the candidate that relate to their scientific/technical leadership role. The specific nuclear enterprise and its significance must also be clearly identified.

3. Outstanding leadership as a teacher in the nuclear field

In this context “outstanding leadership” should be demonstrated by unique contributions to nuclear science and engineering education on a national scale via textbook authorship and/or a new educational tool/technique documented as being adopted widely within the national education community. A corollary documentation requirement is a summary of peer reviewed archival journal publications in the candidate’s field of expertise.

4. Outstanding achievement in design, engineering, or operations in the nuclear power field or other applications of nuclear technology

A summary of the specific and unique leadership contributions made by the candidate in the areas of design, construction or operation of nuclear power plants or nuclear facilities that are nationally recognized by their peers and documented in the sponsor letters. It is important to illustrate how these contributions have made an important positive and well recognized impact in the candidate's area of expertise. The achievement should have applicability for the overall success of the nuclear industry.

5. Outstanding efforts in the areas of nuclear health, safety or regulation

A summary of the candidate's nationally recognized unique specific contributions in one or more of these areas. The significance of these must be documented in the peer sponsor letters. Where appropriate include peer reviewed publications that further demonstrate the relevant accomplishments.

International Contributions

Where appropriate the international aspects/relevance of a candidate's contributions should be documented for one of the relevant category listed above.

ANS activities

It is important to note that while involvement in ANS activities is a desirable attribute, it is not a deciding factor in the evaluation of the candidate. There are other ANS awards to recognize a member's governance and similar contributions to the Society.