MRS-SERBIA Award Committee

Re: **The nomination of Pofessor Robert Sinclair for the MRS-Serbia 2020 Award.**

Dear Committee Members:

It gives me great pleasure to nominate an outstanding scientist and educator Professor Robert Sinclair of Stanford University, for the MRS-Serbia 2020 Award for a Lasting and Outstanding Contribution to Materials Science and Engineering.

Among the many achievements of Professor Robert Sinclair were his seminal contributions to in-situ transmission electron microscopy at the atomic level under controlled conditions, phase equilibria in complex thin film systems, nanoscale interactions in soft matter, and his contributions to the understanding of atomic arrangements in solids, including those at crystal defects and interfaces and their applications to martensitic transformations, diffusion in solids, crystallization of amorphous phases in semiconductor systems, perpendicular magnetic storage media, quantum dot solar cells, nanoparticles conjugated ti biological systems for cancer research, hydrogen storage media, etc., and for his outstanding academic and professional leadership. In addition, it is important to emphasize Professor Sinclair's pivotal role in helping to promote the Yucomat Conference Series to the prominent European scientific materials research meetings, as a long-term President of the International Advisory Board, and a plenary speaker at many Yucomat events.

Robert (Bob) Sinclair received his B.A., M.A., and Ph.D. in Materials Science from Cambridge University. He came to the United States in 1973., as a postdoctoral researcher at the University of California, Berkeley, before joining Stanford as faculty in 1977., and is currently the Charles M. Pigott Professor in the School of Engineering at Stanford University. Bob has had several visiting positions internationally including Chalmers University, Seoul National University, Centre d'Etudes Nucleaires in Grenoble, Cambridge University, Oxford University, Matsushita Industrial Semiconductor Research Center in Osaka, National Institute for Materials Science, Japan, etc.

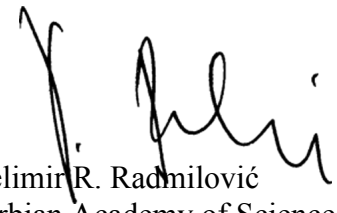
Professor Sinclair's publication list is beyond impresive: 5 edited books, 7 book chapters, 278 journal articles (including *Nature* and *Nature group*, *Science*, *Phys. Rev. Letters*, *IEEE Trans. group*, *Philosophical Magazine, Acta Materialia*, etc.), 2 patents, and 222 conference articles.

Professor Sinclair was Department Chair from 2004 to 2014, Director of the Stanford Nanocharacterization Laboratory for twelve years since its inception in 2002, Director of the Bing Overseas Studies Program of Stanford University, during 2010-2012., and Director of the Wallenberg Research Link. Professor Sinclair was Chair of the National Research Council committee to study "Midsize Facilities: The Infrastructure for Materials Research," published in 2006.

Professor Sinclair is a recipient of many Honors & Awards, let's name a few recent:
Jubilee Professor, Chalmers University (2017); John M. Cowley Distinguished Lecturer, Arizona State University (2015); David Turnbull Lectureship Award, Materials Research Society (2012); Distinguished Scientist, Physical Sciences, Microscopy Society of America (2009), etc.

In summary, I would like to emphasize that Professor Sinclair is an outstanding researcher and educator in the field of materials science and engineering, and I nominate him with my strongest recommendations to the MRS Serbia Award Committee to be the recipient of the 2020 MRS-Serbia Award for a Lasting and Outstanding Contribution to Materials Science and Engineering.

Belgrade, January 16, 2020.



Velimir R. Radmilović
Serbian Academy of Sciences and Arts