

**LETTER REGARDING VLADIMIR AROUTIOUNIAN,
PROFESSOR AT THE YEREVAN STATE UNIVERSITY
AND MEMBER OF THE NATIONAL ACADEMY OF SCIENCES
OF THE REPUBLIC OF ARMENIA**

I met Professor Vladimir Aroutiounian for the 1st time in 1993, when I visited the Yerevan State University (YSU) and his laboratory, and gave a seminar. Actually, such a visit was suggested to me and initiated by Professor Yuri Osipyan, Founder of the Chernogolovka Research Center and former Chief Scientific Adviser of President Mikhail Gorbachev. I visited the Research Laboratory of Professor Vladimir Aroutiounian's at the Yerevan State University (YSU). Since 1998 until the last couple of years, we collaborated together in the fields of advanced semiconductor devices, solar energy conversion and on semiconductor sensors. Interestingly enough, for many years, I also had as part of my teaching duties at University of Paris-Sud/Orsay to give lectures on sensors. Therefore, our contacts and collaboration were also especially useful for students from both Universities.

Among other results, novel two-or-three layers coatings were found to be of special interest. Indeed, they allowed dramatic decrease of the solar rays reflection coming from the silicon solar cells surface, subsequently triggering a very significant increase of the photoelectrical conversion efficiency. Among others, several important findings were also obtained in the field of metal-oxide sensors.

Overall, these very interesting results lead to i) 4 French & International Patents, ii) 36 publications in leading International Scientific Journals and iii) reports in many International Scientific Conferences and Symposiums.

I visited many times Vladimir Aroutiounian's Laboratory at YSU and he also came during several years many times in my laboratory at the Commissariat à l'Energie Atomique et aux Energies Alternatives – CEA, Saclay, as a CEA-Visiting Scientist. We worked together in the framework of 2 ISTC grants for the YSU.

I was elected as a Foreign Member of the National Academy of Sciences of Armenia in 2008, and I served as Committee Member of the International Conference on Semiconductor Micro- and Nano-Electronics, a high level conference created and organised by Vladimir Aroutiounian and his colleagues.

Finally, the research and reviews articles published by Professor V. Aroutiounian are definitively interesting, innovative and especially useful ones.

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and

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