

# Владимир Гурьевич Зорин



**(1952 – 2012)**

Ушел из жизни Владимир Зорин, прекрасный человек, отец, дед. Светлая память и глубокие соболезнования родным, близким, коллегам, друзьям.

В 1969м году Владимир Гурьевич поступил на радиофизический факультет Нижегородского Государственного университета им. Н.И.Лобачевского (кафедра электродинамики), который окончил в 1974м году.

После окончания ВУЗа Владимир Гурьевич до последних дней жизни работал в институте прикладной физики РАН, занимался физикой плазмы (Physics of low temperature plasmas and gas discharges).

В 1985м году на базе ИПФ РАН защитил кандидатскую диссертацию (к.ф.-м.н.: 01.04.08 - физика и химия плазмы) на тему **Динамика СВЧ-разряда высокого давления в волновых полях.**

В 2007м году защитил докторскую диссертацию (д.ф.-м.н.: 01.04.08 - физика и химия плазмы) на тему **Экспериментальное исследование газового разряда в квазиоптических пучках электромагнитных волн** – Нижний Новгород, ИПФ РАН.

Владимир Гурьевич – автор патентов на изобретения в области измерительной техники (датчики свч-излучения, приборы для создания пучков многозарядных

ионов (МЗИ) путем их экстракции из плотной плазмы, создаваемой в открытой магнитной ловушке мощным излучением миллиметрового диапазона длин волн, которые необходимы для формирования сильнооточных пучков многозарядных ионов), востребованных в ряде приложений (ускорительной технике, медицине, ионной имплантации, фундаментальных исследованиях и пр.).

Владимир Гурьевич был доцентом на факультете ВШОПФ (ИПФ РАН). Его последняя должность – заведующий лабораторией.

**Владимир Гурьевич** серьезно увлекался спортом: альпинизмом, горным туризмом, back-country skiing. Прошел участником и руководителем десятки сложных горных походов. В последний год жизни - Алтай, пик Маашей. Был директором Общества с ограниченной ответственностью "Фридом Спорт".

### **Некоторые статьи Владимира Гурьевича Зорина (по Web of Science):**

1. Dorf, MA; Zorin, VG; Sidorov, AV; Bokhanov, AF; Izotov, IV; Razin, SV; Skalyga, VA. **Generation of multi-charged high current ion beams using the SMIS 37 gas-dynamic electron cyclotron resonance (ECR) ion source** NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 733, 107-111 (2014)
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3. Skalyga, V; Izotov, I; Sidorov, A; Razin, S; Zorin, V; Tarvainen, O; Koivisto, H; Kalvas, T. **High current proton source based on ECR discharge sustained by 37.5 GHz gyrotron radiation** JOURNAL OF INSTRUMENTATION 7, - (2012)
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5. Izotov, IV; Skalyga, VA; Zorin, VG. **Optimization of gas utilization efficiency for short-pulsed electron cyclotron resonance ion source** REVIEW OF SCIENTIFIC INSTRUMENTS 83(2), - (2012)
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8. Ropponen, T; Tarvainen, O; Izotov, I; Noland, J; Toivanen, V; Machicoane, G; Leitner, D; Koivisto, H; Kalvas, T; Peura, P; Jones, P; Skalyga, V; Zorin, V.

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**11.** Zorin, VG; Skalyga, VA; Izotov, IV; Razin, SV; Sidorov, AV; Lamy, T; Thuillier, T. **ECR BREAKDOWN OF HEAVY GASES IN OPEN MIRROR TRAP** FUSION SCIENCE AND TECHNOLOGY 59(1T), 140-143 (2011)

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