

Владимир Прокопьевич Сафонов



(1945 – 2003)

После тяжелой болезни на 58-м году жизни умер Владимир Прокопьевич Сафонов - доктор физико-математических наук, заведующий лабораторией Института автоматики и электрометрии Сибирского отделения Российской академии наук.

В 1969 году после окончания физического факультета Новосибирского государственного университета (НГУ) Владимир Прокопьевич начал работать в Институте физики полупроводников СО АН. С 1977 года работал в Институте автоматики и электрометрии СО АН. В 1982 году защитил кандидатскую диссертацию «Кооперативное комбинационное рассеяние света в молекулярном водороде», а в 2000 году – докторскую диссертацию «Оптические процессы при кооперативных радиационных взаимодействиях частиц в молекулярных и нанокompозитных средах».

В.П. Сафоновым обнаружен и изучен ряд новых явлений, возникающих при распространении лазерного излучения в резонансной среде: четырех- и шестифотонное параметрическое рассеяние, коническое излучение, фотостимулированная конденсация паров щелочных металлов. Им создано несколько уникальных лазерных систем для оптических исследований. Кооперативное комбинационное рассеяние света, гигантские оптические нелинейности и селективная фотомодификация агрегированных металл-диэлектрических композитов, мультипликативное усиление оптических откликов для адсорбированных на металлических частицах молекул при помещении нанокompозита в микрополость, низкопороговая лазерная генерация в композитной среде — вот еще некоторые актуальные научные задачи, в решение которых Владимир Прокопьевич внес весомый вклад.

В течение восьми лет В.П. Сафонов читал студентам кафедры квантовой оптики НГУ годовой спецкурс «Оптические измерения», с 1998 года читал годовой спецкурс «Физика лазеров», составил обновленные программы этих спецкурсов, руководил лабораторными работами студентов кафедры, был руководителем трех кандидатских диссертаций и 14 дипломных работ.

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