Александр Владимирович Фёдоров

(1 сентября 1946 г. - 1 марта 2018 г.)

1 марта 2018 г. скончался доктор физико-математических наук, профессор кафедры Прикладной математики **Новосибирскомго государственного архитектурно - строительного университета**, заведующий лабораторией Волновых процессов в ультрадисперсных средах **Института теоретической и прикладной механики СО РАН** (г. Новосибирск), **Александр Владимирович Фёдоров**.

Федоров А.В. окончил Новосибирский государственный университет в 1968 г., механико – математический факультет. Специалист в механике реагирующих/инертных гетерогенных сред, автор более 300 научных работ и нескольких монографий.

К основным результатам Федорова А.В. относятся развитие теории: - двухскоростных двухтемпературных движений смесей газа и твердых частиц применительно к волнам внезапного выброса угля породы и газа в ограниченных пространствах, - течений реагирующих газовзвесей, применительно к ячеистой гетерогенной детонации аэровзвесей металлов, - подавления катастрофических взрывных явлений, - микротечений при акусто конвективной экстракции влаги из капиллярно-пористых сред, и - создание методов расчета проблем волновой динамики течений газовзвесей. Это

позволило создать научные основы функционирования образцов новой техники и новых технологий, основанных на изучаемых физических явлениях.

В разное время являлся руководителем работ по грантам РФФИ, INTAS, ISTC, Минобразования РФ, СО РАН и др.

Большая научная деятельность была проведена им в рамках многостороннего сотрудничества с Варшавским техническим университетом (Польша), Институтом термомеханики (Чехословакия), Университетом Пуатье (Франция), Институтом тепломассообмена НАН Беларуси, Дусон корпорацией (Южная Корея, Сеул), Первым Каошионгским университетом науки и технологии (Тайвань, Каошионг), Институтом прикладной физики и вычислительной математики (КНР, Пекин).

В течении ряда лет Федоров А.В. являлся Ученым секретарем Всесоюзного семинара по теории фильтрации, сопредседателем Семинаров «Динамика многофазных сред», «Математическое моделирование в механике». Удостоен международной премии НАН Беларуси и СО РАН им. академика Коптюга В.А. за цикл работ в области механики гетерогенных сред в 2009 г.

Федоров А.В. преподавал в Новосибирском государственном университете, Новосибирском государственном архитектурно - строительном университете, Новосибирском государственном техническом университете. Неоднократно выезжал для чтения лекция в университетах КНР, Тайвань и др. стран. Девять его учеников защитили кандидатские, а двое докторские диссертации. Он являлся членом ряда диссертационных советов по защитам кандидатских и докторских диссертаций, редакционной коллегии журнала СО РАН “Физика горения и взрыва“, членом Института Горения (США), Американского Математического Общества.

Текст составлен по материалам биографической статьи на сайте Новосибирского государственного архитектурно-строительного университета

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