Soot, the by-product of combustion, that smoky, black crap from chimneys, power plants and the inside of the tail pipe of my roadster, what scientist would ever bother to study soot? As a “particle physicist”, that’s what I do, and I find that soot has mysteries and beauties that can entertain any curiosity. In this talk I will describe some of my researches into soot and other aggregate structures; an unlikely journey of discovery to find fractal structures with non-Euclidian dimensionality, gel networks of graphene that tenuously span space and common Fibonacci themes for non-equilibrium phenomena such as sunflowers and soot.

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He is also an active scientist with over 280 publications, six patents and three pending. In 2003 he won the Sinclair Award of the American Association for Aerosol Research, and he is a past president of that organization. He is a Fellow of the AAAR, the APS and the AAAS.

Chris graduated from the University of Nebraska in 1969 where he was Phi Beta Kappa and a Woodrow Wilson Fellow. He was drafted and served in Vietnam. He earned his PhD in physics from the University of Colorado in 1977. In 2008 he was named a Norlin Distinguished Graduate of that university.

Link to colloquium videos and announcement page: http://www.atmos.colostate.edu/dept/colloquia.php