

Title: Earth to Life: Making skeletons and shells from minerals

Abstract: Modern science is interdisciplinary. A fascinating example is biomineralization- an organism's ability to precipitate and grow minerals/crystals as skeletons and shells, with spectacular shapes and controlled chemistries. This seminar presents content knowledge while showing how geology, biology, chemistry and materials sciences melt away in high-tech investigations of this process.

Presenter 1:

Dr. Patricia Dove
Professor of Geochemistry
dove@vt.edu

Presenter 2

Ms. Llyn Sharp
Geosciences Outreach Coordinator
llyn@vt.edu

Presenter 3:

Ms. Allison Stephenson
Geosciences Ph.D. Student
aestephe@vt.edu

Address for all three presenters:

Department of Geosciences
Virginia Tech
4044 Derring Hall
Blacksburg, VA 24061
Fax 540.231.3386

Session content and activities:

Session will give a powerpoint presentation and a question and answer session. This seminar presents content knowledge while showing how geology, biology, chemistry and materials sciences melt away in high-tech investigations of how organisms 'manufacture' exquisite crystals from little more than organic molecules and water.

Session-related resources:

We will post the presentation onto our Geosciences Outreach web site (found at www.geos.vt.edu/research/outreach.php)

Presentation:

We request a Friday afternoon session please.