

1086-VG-1605 **Emarus Danielle Shay*** (eshay@my.apsu.edu), 2414 Peachers Mill Rd, Clarksville, TN 37042,
and **Ramanjit K Sahi**. *A Frozen Pattern in Time*. Preliminary report.

Since the 15th century, the traditional weaving in the form of phulkari reflects the heart and beauty of the Punjabi culture. These geometrical patterns in phulkari are symmetrical in nature and exhibit rotational symmetry patterns, frieze patterns, and plane patterns. In this presentation we will talk about how frieze patterns occur in phulkari. The analysis of frieze patterns can be very helpful in tracing the relationships between different cultures and mathematics. (Received September 23, 2012)