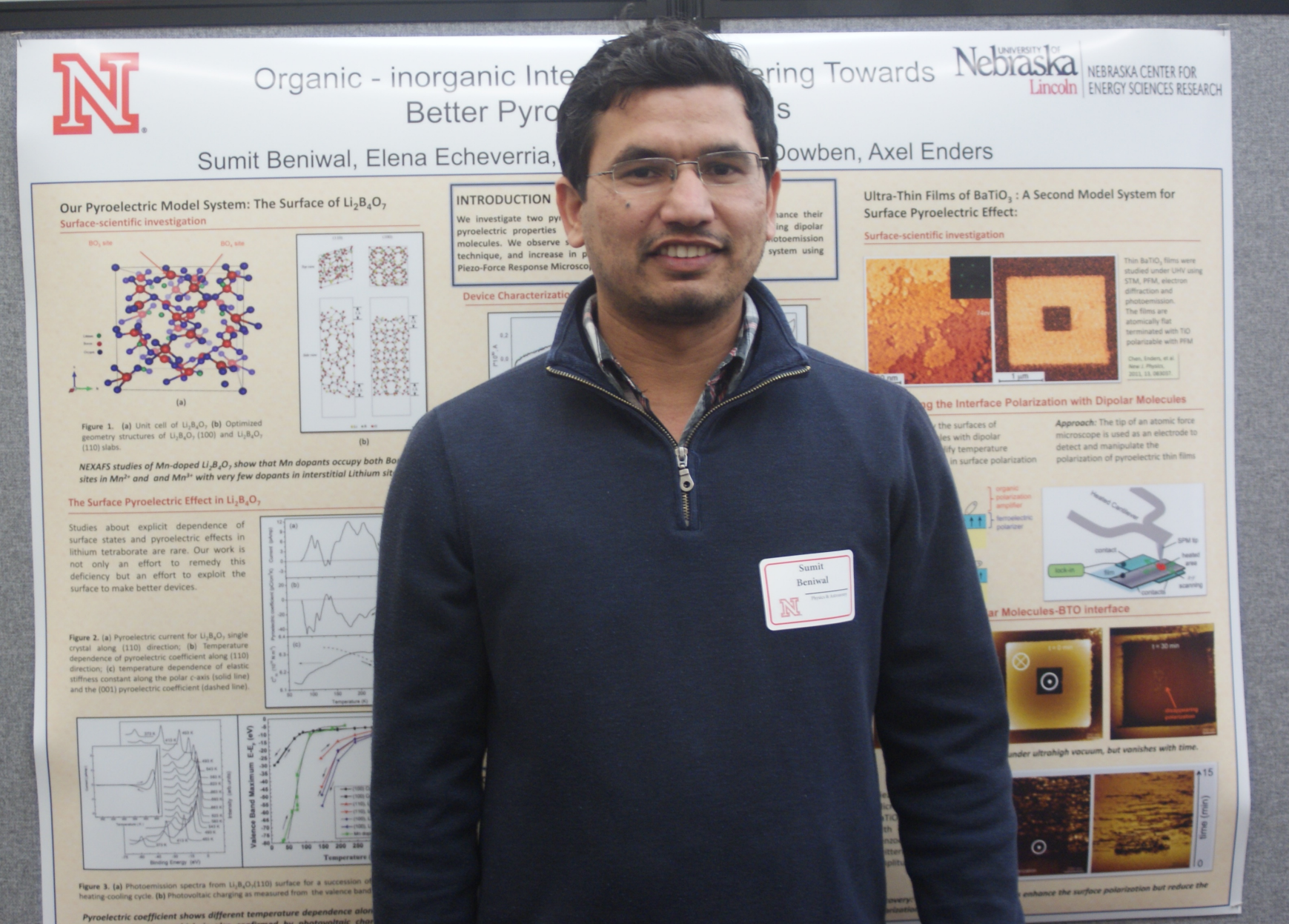
Organic - inorganic Inte ering Towards
Better Pyro s
Nebraska
Lincoln
NEBRASKA CENTER FOR ENERGY SCIENCES RESEARCH
Sumit Beniwal, Elena Echeverria, Dowben, Axel Enders
Our Pyroelectric Model System: The Surface of $Li_2B_4O_7$
Surface-scientific investigation
INTRODUCTION
Ultra-Thin Films of $BaTiO_3$: A Second Model System for Surface Pyroelectric Effect:
Surface-scientific investigation
The Surface Pyroelectric Effect in $Li_2B_4O_7$
Studies about explicit dependence of surface states and pyroelectric effects in lithium tetraborate are rare. Our work is not only an effort to remedy this deficiency but an effort to exploit the surface to make better devices.
Approach: The tip of an atomic force microscope is used as an electrode to detect and manipulate the polarization of pyroelectric thin films
Sumit
Beniwal