1082-43-105 **Gestur Olafsson*** (olafsson@math.lsu.edu), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803, and **Jens Christensen** and **Azita Mayeli**. *Besov Spaces and Frames on Stratified Lie Groups.*

We will start by some general fact about harmonic analysis on stratified Lie groups. Then describe the basic ideas behind Coorbit spaces and the role of representation theory in construction of Banach spaces of functions or distributions. Then we apply those ideas to describe homogeneous Besov spaces on stratified Lie groups and their description in terms of frames. (Received June 30, 2012)