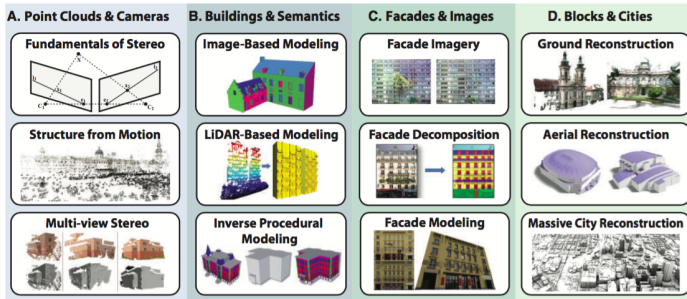# A Survey of Urban Reconstruction
P. Musialski, P. Wonka, D. G. Aliaga, M. Wimmer, L. van Gool, W. Purgathofer (CGF 2013)

- Challenges - Full automation, Quality & scalability, data acquisition constraints
- Point Clouds & Cameras - introduce the Fundamentals of Stereo Vision, provides the key concepts of image-based automatic Structure from Motion methodology, and Multi-View Stereo approaches
- Buildings & Semantics - Approaches which aim at reconstructing whole buildings from various input sources, such as a set of photographs or laser-scanned points, typically by fitting some parametrised top-town building model
- Facades & Images - Approaches aiming at the reconstruction and representation of facades
- Blocks & Cities - The problem of measuring and documenting the world is the objective of the photogrammetry and remote sensing community