The estimation of 3D face shape from a single image must be robust to variations in lighting, head pose, expression, facial hair, makeup, and occlusions are stimated as a single image must be robust to variations in lighting, head pose, expression, facial hair, makeup, and occlusions are stimated as a single image must be robust to variations in lighting, head pose, expression, facial hair, makeup, and occlusions are stimated as a single image must be robust to variations in lighting, head pose, expression, facial hair, makeup, and occlusions are stimated as a single image must be robust to variations in lighting, head pose, expression, facial hair, makeup, and occlusions are stimated as a single image must be robust to variations in lighting.	sions. Robus