Developments of New Features for Profiled Ring Rolling, Dr. Andreas Lieb, General Manager Research and Development, Forging Plants, SMS group GmbH - This paper introduces the most current developments within the technology of profiled ring rolling. The rolling of rings with rectangular cross sections is well known. Even with simple cross sections, some rings are tough to roll due to extremely thin wall thicknesses or disk shaped rings. ROLLTECH Rings software provides technology assistance for successful production of difficult rings. The greatest challenge in ring rolling is still the process of rolling near net shape rings. These kind of rings are present in many applications, from rings within the bearing industry, rings for oil and gas, for the power plant industry and in particular for the aerospace industry, with the extreme requirements for quality. The software will be introduced based on several detailed applications.