



康永林，1954年11月出生，材料科学与工程学院终身教授。1985年在北京科技大学金属压力加工专业获硕士学位，1986-1988年北京科技大学金属压力加工博士研究生，1989-1991年日本东京大学工学部金属工程专业联合培养博士。1994年破格聘为北京科技大学教授，1996评为博士生导师。目前主要从事新一代钢铁材料轧制工艺与组织性能控制；汽车用先进高强钢开发与成形技术；金属材料成形过程数值模拟与半固态加工等研究。现兼任中国金属学会专家委员会委员、轧钢分会理事热轧板带委员会副主任委员、北京金属学会理事压加分会主任、《轧钢》副主编、《钢铁》编委等。

【在研科研项目】

1. 国家 973 计划课题，强制均匀凝固组织与缺陷形成机制及流变学研究，2011-2015 年
2. 国家 863 计划课题，高强韧钢/镁合金跨尺度设计与制备技术，2013-2015 年
3. 国家自然科学基金项目，1200MPa 级冷轧超高强钢板的相变和纳米析出复合强化机制及工艺控制，2015-2018 年
4. 大型企业合作项目，高强度桥梁缆索钢工艺及组织性能研究与开发，2014-2016 年
5. 大型企业合作项目，流变压铸薄壁铝合金结构件技术研究，2014-2016 年

【代表性论文】

1. Shengci Li, Yonglin Kang, Shuang Kuang, Effects of microstructure on fatigue crack growth behavior in cold-rolled dual phase steels, *Materials Science&EngineeringA*612(2014)153-161.
2. Qihang Han, Yonglin Kang, Xianmeng Zhao, Nicole Stanford, Minghui Cai, Suppression of Ms temperature by carbon partitioning from carbon-supersaturated ferrite to metastable austenite during intercritical annealing, *Materials and Design*, 51, (2013) 409-414.
3. Yonglin Kang, Guoming Zhu, Numerical Simulation and Application of Rolling Process for Section Steel, 9th International ROLLING, June 9-11, Venice Italy, 2013
4. Yong-lin Kang, Qi-hang Han, Xian-meng Zhao, Ming-hui Cai, Influence of nanoparticle reinforcements on the strengthening mechanisms of an ultrafine-grained dual phase steel containing titanium, *Materials and Design* 44 (2013) 331-339.
5. Qihang Han, Yonglin Kang, Peter D. Hodgson and Nicole Stanford, Quantitative measurement of strain partitioning and slip systems in a dual-phase steel, *Scripta Materialia* 69, 2013, 13-16.



Yonglin Kang, the professor of School of Materials Science and Engineering, received his M.E and PhD. in materials processing from University of Science and Technology Beijing, in 1985 and 1991. His main research field are process controlling, grain refine and precipitation on thin slab continues casting and rolling; simulation on metal materials processing and microstructure; sheet metal forming process; metal material semi-solid slurry fabrication and rheo-rolling process, microstructure and property control, and modeling; new SSF processing technology development and application, process and mechanism on microstructure evolution.

【Publications】

1. Shengci Li, YonglinKang, ShuangKuang, Effects of microstructure on fatigue crack growth behavior in cold-rolled dual phase steels, *Materials Science&EngineeringA*612(2014)153–161.
2. Qihang Han, Yonglin Kang, Xianmeng Zhao, Nicole Stanford, Minghui Cai, Suppression of Ms temperature by carbon partitioning from carbon-supersaturated ferrite to metastable austenite during intercritical annealing, *Materials and Design*, 51, (2013) 409–414.
3. Yonglin Kang,Guoming Zhu, Numerical Simulation and Application of Rolling Process for Section Steel ,9th International ROLLING,June 9-11, Venice Italy,2013
4. Yong-lin Kang, Qi-hang Han, Xian-meng Zhao, Ming-hui Cai , Influence of nanoparticle reinforcements on the strengthening mechanisms of an ultrafine-grained dual phase steel containing titanium, *Materials and Design* 44 (2013) 331–339.
5. Qihang Han,Yonglin Kang, Peter D.Hodgsonb and NicoleStanford, Quantitative measurement of strain partitioning and slip systems in a dual-phase steel, *Scripta Materialia* 69,2013, 13-16.