

## The Hotter, the Better - Mikrometer Schichten für maximale Leistungsfähigkeit

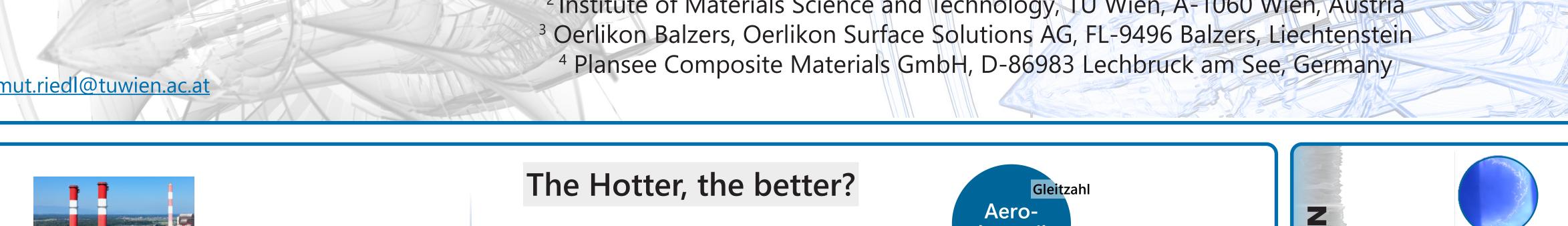


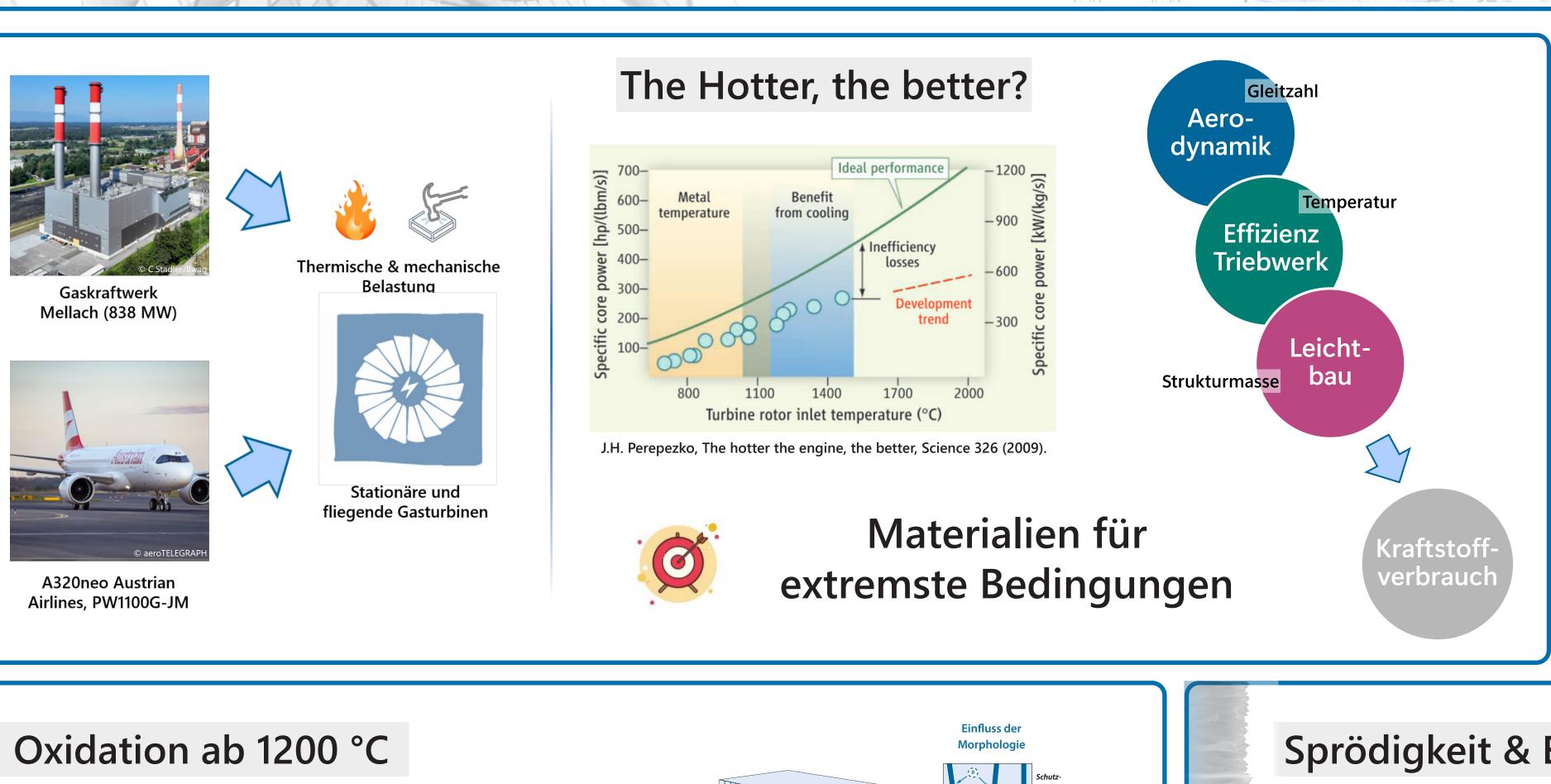
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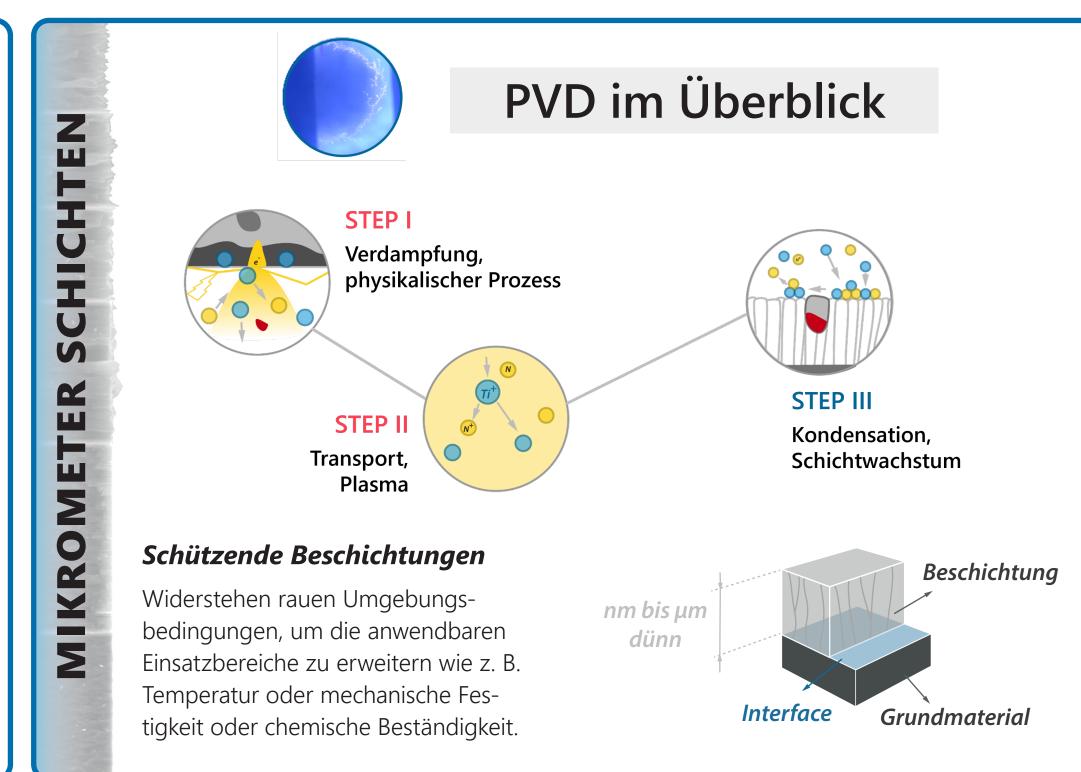
<sup>1</sup> Christian Doppler Laboratory for Surface Engineering of high-performance Components, TU Wien, Austria

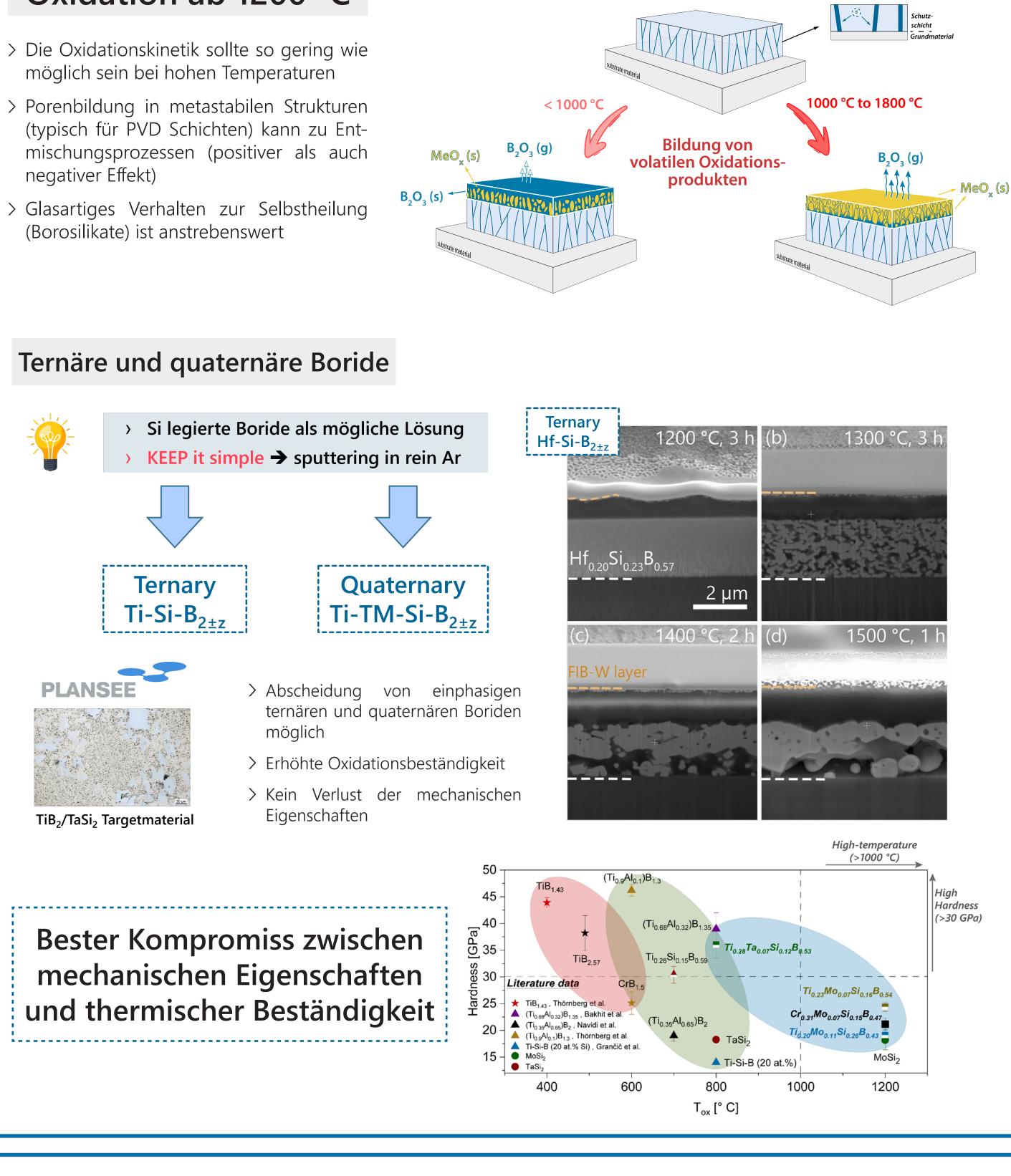
<sup>2</sup> Institute of Materials Science and Technology, TU Wien, A-1060 Wien, Austria

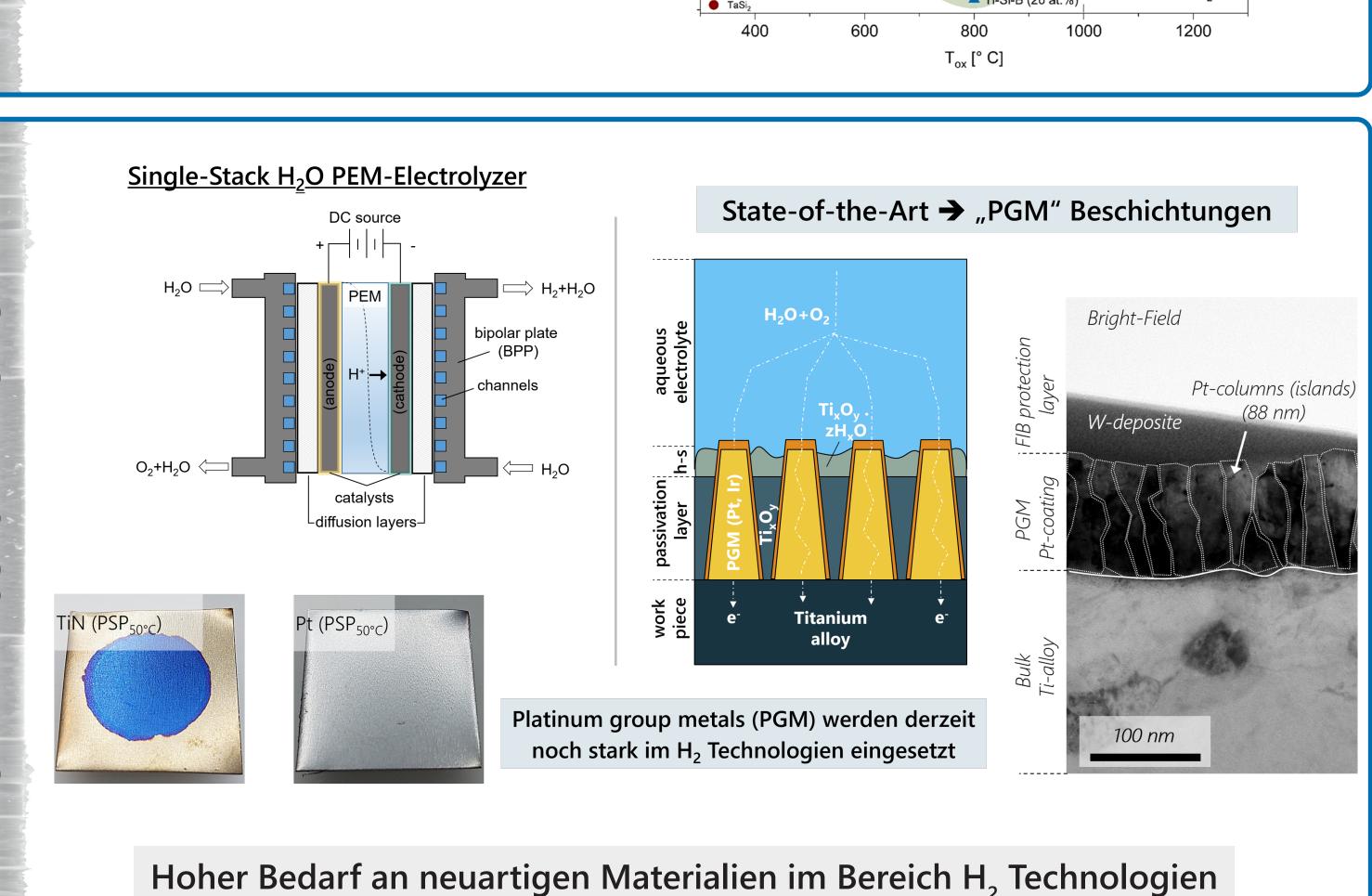
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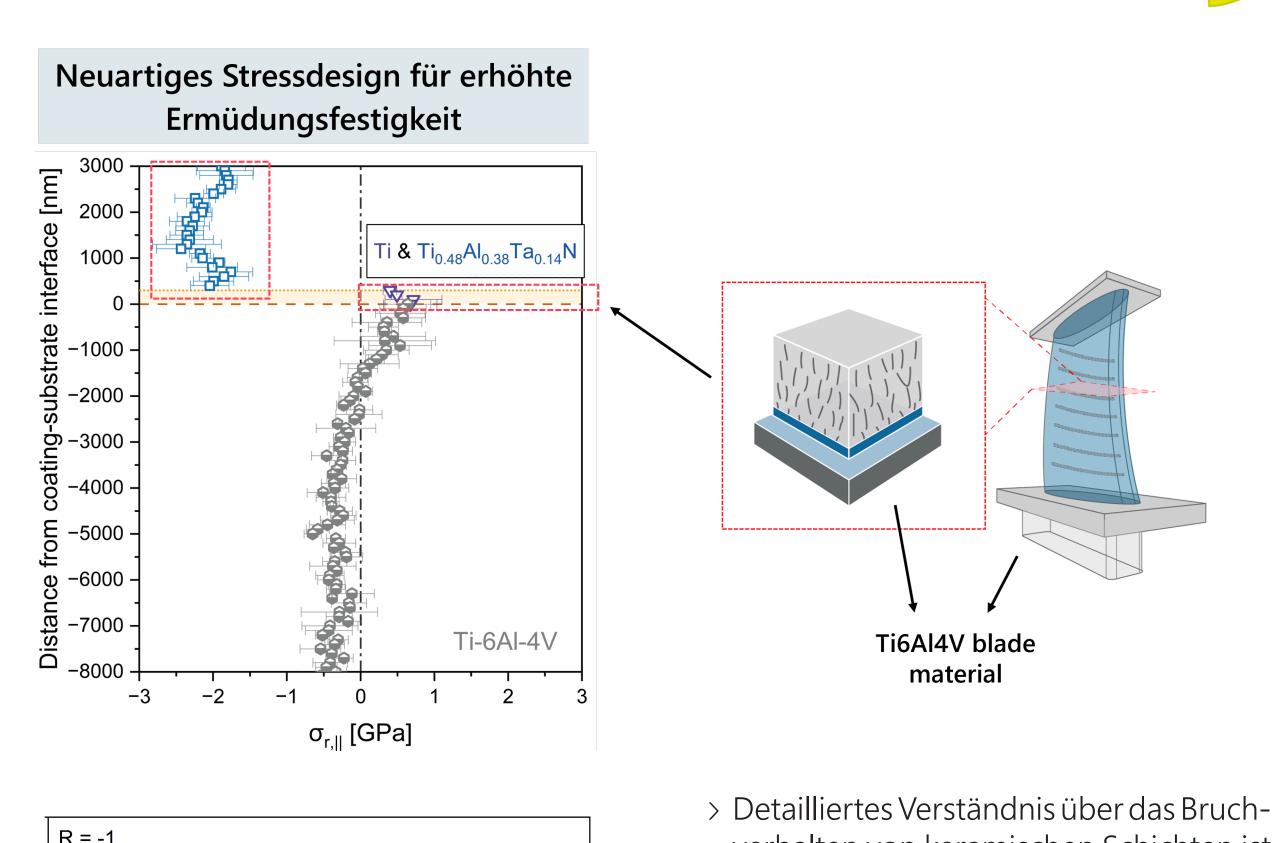


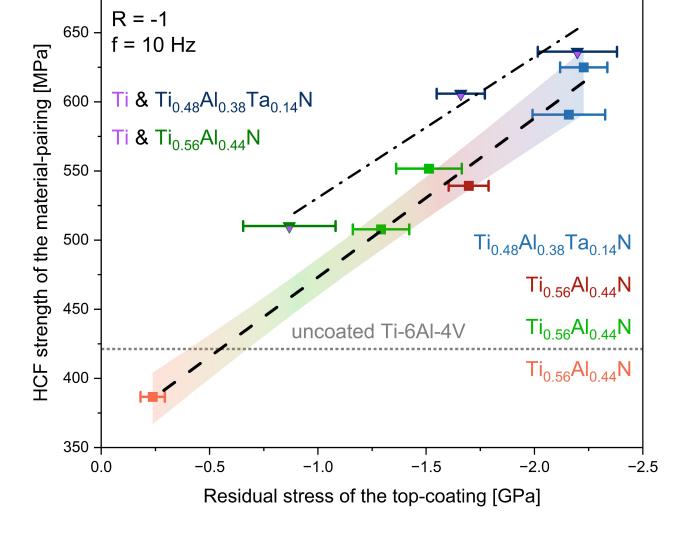






## Sprödigkeit & Ermüdungsfestigkeit Schichtdesign bis ins kleinste Detail **Ceramics** Metals Einzigartiger Versuchsaufbau am Synchrotron, um DESY Stress intensity factor range [MPa√m] die Spannungsentwicklung in mechanisch belasteten Beschichtungen im Detail zu verstehen Neuartiges Stressdesign für erhöhte

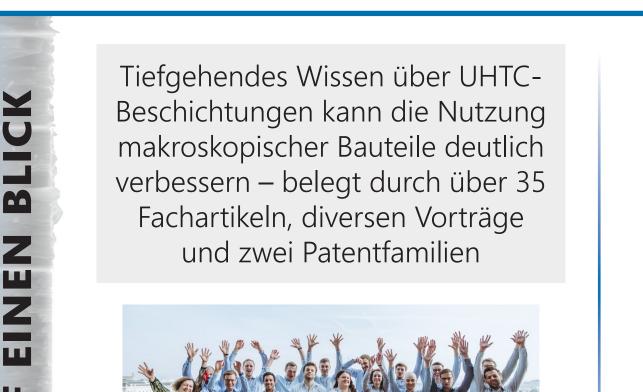




verhalten von keramischen Schichten ist essenziell für die finale Anwendung > Einzigartiger Versuchsaufbau am DESY

ermöglicht Verständnis bis ins kleinste







**ICMCTF Student** 

Award Gold 2023

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Sophie Richter,

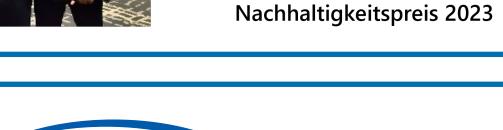














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