

Mathias Wien – Publications

Books

- [B1] M. Wien, *High Efficiency Video Coding – Coding Tools and Specification*. Berlin, Heidelberg: Springer, Sept. 2014.
- [B2] M. Wien, *Variable Block-Size Transforms for Hybrid Video Coding*, vol. 1 of Aachen Series on Multimedia and Communications Engineering. Aachen: Shaker Verlag, Nov. 2004.

Journal Articles

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Conference Papers

- [C1] M. Wien and J. Jung, “Performance of geometry- and image-based quality metrics on geometry-only point clouds and textured point clouds,” in *Proc. of European Workshop on Visual Information Processing EUVIP’24*, IEEE, Piscataway, Sep. 2024.
- [C2] N. Neumann (née Horst), P. Das, T. Claßen and M. Wien, “Fast Template Matching-Based Reference Picture Padding for Video Coding,” *IEEE International Conference on Image Processing ICIP ’24*, IEEE, Sep. 2024.
- [C3] N. Neumann (née Horst), P. Das, T. Claßen and M. Wien, “Balancing Complexity of Template Matching-based Reference Picture Padding for Video Coding,” in *Proc. of International Picture Coding Symposium PCS ’24*, IEEE, Piscataway, June 2024.
- [C4] N. Neumann (née Horst) and M. Wien, “Complexity Reduction of Template Matching-based Reference Picture Padding in Video Coding,” in *Proc. IEEE International Conference on Acoustics, Speech and Signal Processing ICASSP’24*, Apr. 2024.
- [C5] T. Claßen and M. Wien, “Weighted Edge Sharpening Filtering for Upscaled Content in Adaptive Resolution Coding,” submitted to *IEEE Visual Communications and Image Processing VCIP’23*, Dec. 2023.
- [C6] M. Wien and V. Baroncini, “Improving Viewer Training in Visual Assessment,” in *Proc. of European Workshop on Visual Information Processing EUVIP’23*, IEEE, Piscataway, Sep. 2023.

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- [T1] M. Wien, B. Bross, *Versatile Video Coding – Algorithms and Specification*, IEEE VCIP, online, Dec. 2020.
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Granted Patents

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