## ETHzürich

- Microsoft © Lundunverstry


## 3D Line Mapping Revisited




Hybrid Point-line Localization with 4 Minimal Solvers


Hybrid Bundle Adjustment
Line-assisted Multi-view Stereo
 Benchmarking Different Detectors and Matchers

| Master $\quad$ Decector | LSD | HawPr | Tr.LSD | Sold 2 | Deeplsd |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{\substack{\text { LBD } \\ \text { solv2 }}}{\text { Lit }}$ <br> $\stackrel{\substack{\text { Line } \\ \text { Liner }}}{2020}$ <br>  |  |  |  |  | $\qquad$ |
| Stay tuned on the next step: hybrid structure-from-motion!! |  |  |  |  |  |

