

CoCo participant: CSI

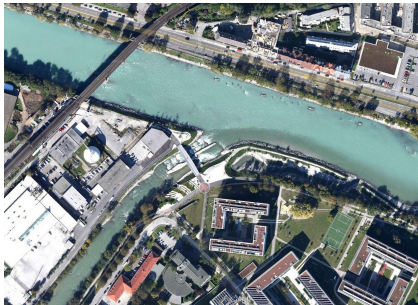
Harald Zankl **Bertram Felgenhauer** Aart Middeldorp

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3rd International Workshop on Confluence
Vienna, July 13, 2014

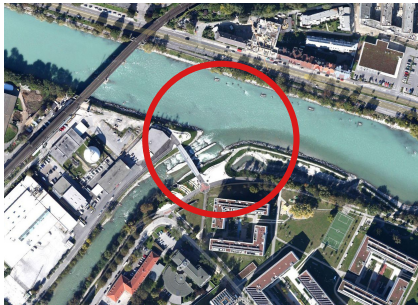


About



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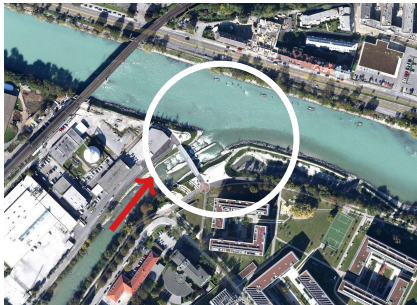
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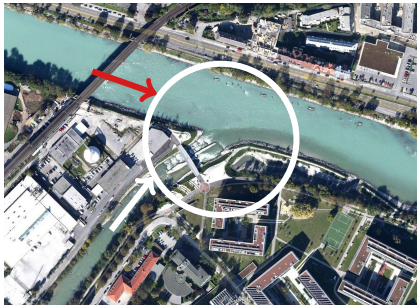
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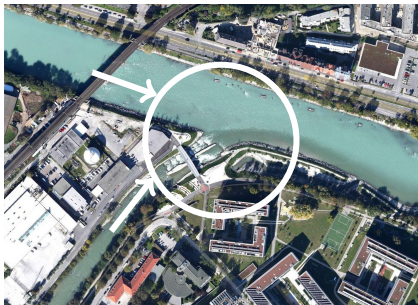
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CSI

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CSI

- open source confluence tool
- <http://cl-informatik.uibk.ac.at/software/csi/>

- confluence tool for first-order term rewriting

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- techniques
 - Knuth-Bendix criterion, weak orthogonality (certifiable), parallel closedness
 - modular approach for labeling decreasing diagrams
 - based on single or parallel steps
 - rule, path, relative termination, redex labelings
 - persistent decomposition based on ordered sorts
 - ground confluence
 - nonconfluence using tcap and tree automata (certifiable)
 - AT12, KH12, ...

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Thanks!