ビジュアルコンピューティングセミナー2018-01

下記の要領で，今年度第 1 回のセミナーを開催しますのでご参集ください．

日 時：2018 年 4 月 17 日(火)　13:00〜14:30

場 所：慶應義塾大学矢上キャンパス 14 棟　213 室

演 題：Predominance Tag Maps

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要 旨：A predominance map expresses the predominant data category for each geographical entity and colors are used to differentiate a small number of data categories. In tag maps, many data categories are present in the form of different tags, but related tag map approaches do not account for predominance, as tags are either displaced from their respective geographical locations or visual clutter occurs. We propose predominance tag maps, a layout algorithm that accounts for predominance for arbitrary aggregation granularities. The algorithm is able to utilize the font sizes of the tags as visual variable and it is further configurable to implement aggregation strategies beyond visualizing predominance. We introduce various measures to evaluate numerically the qualitative aspects of tag maps regarding local predominance, global features, and layout stability and we comparatively analyze our method to the tag map approach by Thom et al. on the basis of real world data sets.

略 歴：Martin Reckziegel received his master degree (diploma) in computer science in 2013. Currently, he is a PhD candidate at the Image and Signal Processing group of Leipzig University. His doctoral studies are co-supervised by Prof. Gerik Scheuermann and Dr. Stefan Jänicke. His research interest includes unsolved problems in geovisualization, driven by research questions in application fields such as digital humanities and environmental sciences.

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