

ビジュアルコンピューティングセミナー2019-06

下記の要領で、今年度第6回のセミナーを開催しますのでご参集ください。

日 時 : 2020年2月28日(金) 13:30-15:00

場 所 : 慶應義塾大学 矢上キャンパス 14棟セミナールーム4

題 目 : Visual Analytics in Cancer Treatment

講 師 : Dr. Renata Georgia Raidou

Univ. Assist. (Post-Doc) in Medical Visualization, TU Wien, Austria



要 旨 : My talk will focus on recently proposed solutions from the field of Visual Analytics for cancer treatment. One of the most common cancer treatment options is radiation therapy, which involves careful treatment planning through several complex processes and the incorporation of a multitude of patient data. As radiotherapy research tries to design more effective treatment strategies, it becomes essential for researchers to understand and to integrate all available patient- and tumor-related knowledge into the current workflow. My work focuses on increasing the – up to now, limited – insight and exploratory capabilities of radiotherapy researchers. In this talk, I will discuss comprehensive and comprehensible visualizations that contribute towards the interactive exploration, visual analysis and understanding of radiation therapy data and processes, creating a fertile ground for future research in radiotherapy treatment planning.

略 歴 : Dr. Renata Raidou received her Master's degree in Biomedical Engineering from Delft University of Technology, the Netherlands, in October 2012. In March 2017, she obtained her Ph.D. degree in Medical Visualization from Eindhoven University of Technology, the Netherlands. The topic of her dissertation was "Visual Analytics for Digital Radiotherapy: Towards a Comprehensible Pipeline", for which she received the Dirk Bartz Prize for Visual Computing in Medicine (1st Place) at Eurographics 2017. During her Ph.D., she was also a visiting researcher at the Computer Graphics and Visualization (CGV) Group of Delft University of Technology and at the Department of Medical Physics of Aarhus University Hospital, in Denmark. Since February 2017, she is employed as a University Assistant at the Visualization Group of Visual Computing and Human-Centered Technology at TU Wien, in Austria. Her research is on the interface between Visual Analytics, Image Processing and Machine Learning, with a strong focus on medical applications. She has several publications in international journals and conferences such as IEEE TVCG, EG CGF, MICCAI, IEEE VIS, and EG EuroVis, and served as a reviewer, IPC member, chair and organizer for visualization conferences and workshops.

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