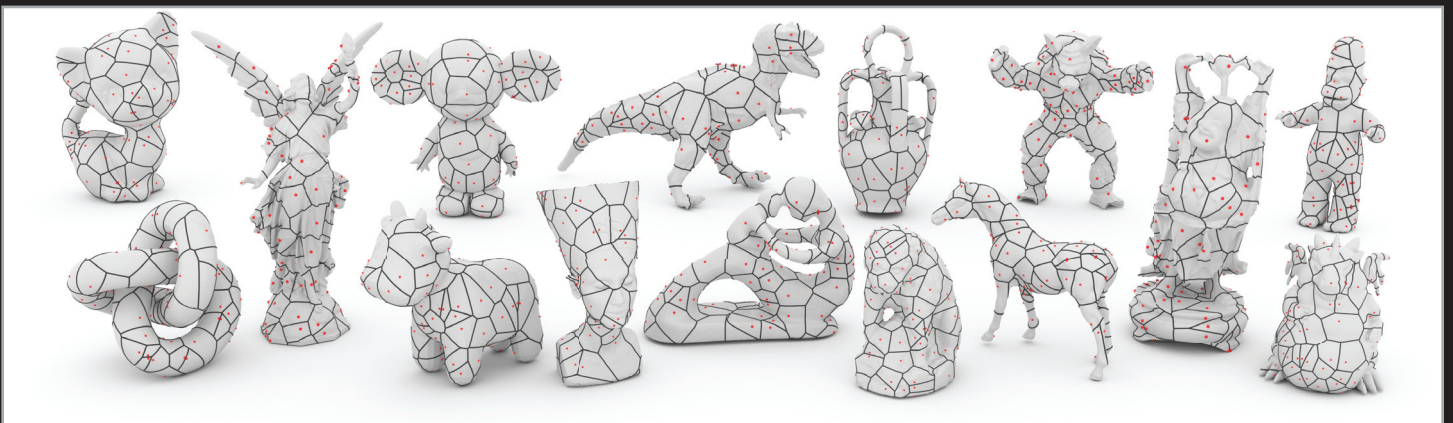
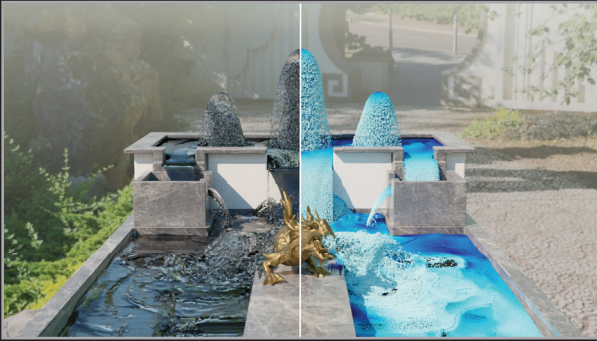
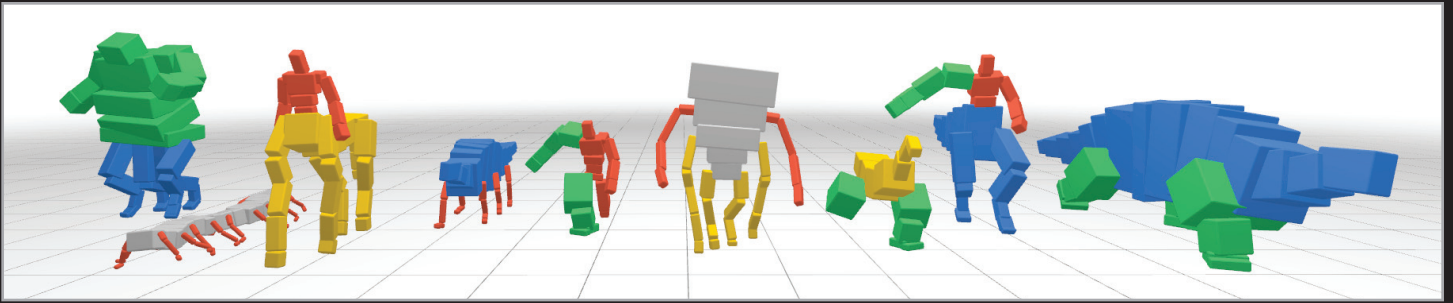


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# Preface

After two years of online/hybrid conferences, SIGGRAPH Asia will finally be held fully in-person this year in Daegu, Korea. As we write this in November, we are wholeheartedly looking forward to seeing our colleagues and friends in person at the conference. Along with its sister conference SIGGRAPH North America, SIGGRAPH Asia introduced best paper awards and a new Conference Paper Track in addition to the existing Journal Paper Track. The conference track provides a venue for publishing short (7 pages plus references) papers that exhibit the potential to advance the research field and also adhere to the same highest scientific standards as journal-track papers. This new program has been very successful in attracting more submissions. This year, we received 407 technical paper submissions, which is a 50% increase from last year (270 submissions in 2021). Among the submissions, the Technical Papers Committee accepted 97 papers to the journal track and 53 papers to the conference track. The acceptance rate for the journal track is 23.8%, while the acceptance rate rises to 36.9% if we include accepted conference papers.

Producing the final program required an incredible amount of dedication, professionalism, and sheer hard work from many dedicated people. We would like to thank all of them. First of all, the Technical Papers Program was built upon months and years of tremendous effort by the 2,072 paper submitters. The 965 external reviewers produced more than 2,000 expert reviews. The sorters (Chris Batty, Stelian Coros, Min H. Kim, Leif Kobbelt, Taku Komura, Steve Marschner, Alla Sheffer, and Kun Zhou) carefully assigned the submissions to the Technical Papers Committee members and the Conflict-of-Interest coordinators. The 15 Conflict-of-Interest coordinators made sure that there were no overlooked relationships between the experts evaluating submissions and their authors. The 60 members of the Technical Papers Committee put incredible effort into reviewing the submissions, assigning external reviewers, participating in post-rebuttal online discussions, attending the 3-day virtual PC meeting, and shepherding conditionally-accepted papers. During the PC meeting, all Technical Papers Committee members carefully considered each submission and showed a passion for finding hidden gems with potential. Even as we write this, the work continues as the best papers awards committee (Forrester Cole, Yue Dong, Alec Jacobson, Tao Ju, Paul Kry, Ming Lin, Pradeep Sen, Bernhard Thomaszewski, Yiyang Tong, Etienne Vouga, Li-Yi Wei, Peter Wonka, and Denis Zorin) is considering which papers will receive awards at the conference. The virtual PC meeting was facilitated by several software platforms. The virtual meeting was held in OhYay with help from Kayvon Fatahalian. Adam Finkelstein created and maintains the HePCat software, which made the online meeting flow smoothly. Adam made a major update to HePCat to accommodate the new conference track. Mark Montague and his team developed and maintain Linkings, which is the backbone of the entire submission process. Mark has been supportive at every step of the review process and shared the knowledge of conference organization he has accumulated over many years. Jarah Lachica, Carrie de Souza, and the rest of the Koelnmesse team provided outstanding administrative support throughout the whole process. We are grateful to our advisory board (Kavita Bala, George Drettakis, Tom Funkhouser, Takeo Igarashi, and Holly Rushmeier) for their wise guidance and help whenever it was needed. The past chairs including Niloy Mitra (SIGGRAPH 2022 Technical Papers chair), Aaron Hertzmann (SIGGRAPH 2022 Conference Papers Director), Carol O'Sullivan (SIGGRAPH Asia 2021 Technical Papers chair), and Sylvan Paris (SIGGRAPH 2021 Technical Papers chair) also served on our advisory board and answered our questions on numerous occasions. Soonki Jung, the SIGGRAPH 2022 Asia Conference chair, supported us in shaping a new format for paper presentations and interactive discussion sessions. Yoonsang Lee, the Interactive Discussion Coordinator, has been crucial in developing this new papers session format. Stephen Spencer shepherded the production of the published papers and transformed them into actual proceedings. Brian Wyvill and Seyoung Lee created a fantastic papers trailer that highlights the program. Finally, we would like to thank our families who have endured numerous online meetings in the middle of the night and supported us throughout the whole process.

We have the pleasure of presenting you the SIGGRAPH Asia 2022 Technical Papers, which represent the tremendous endeavor of the authors and the highest technical achievements of our community. We hope that you will find them both exciting and inspiring.

Jehee Lee, NCsoft and Seoul National University  
SIGGRAPH Asia 2022 Technical Papers Chair

Adam Bargteil, University of Maryland, Baltimore County  
SIGGRAPH Asia 2022 Conference Papers Director