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Conference Report

Conference Report on 2022 IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology (IEEE CIBCB 2022)

The 2022 IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology (IEEE CIBCB 2022) was held from August 15th-17th in Ottawa, Canada. This conference has been held annually since 2004. After two years of virtual conferences, IEEE CIBCB 2022 was held primarily in person, with some remote participation. It was great to be back with friends and colleagues!

We welcomed two keynote speakers to the conference, Theodore Perkins from the Ottawa Hospital Research Institute to discuss the dynamics of gene regulatory networks and Jennifer

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FIGURE 1 Participants at IEEE CIBCB 2022 enjoyed visiting Ottawa during particularly beautiful summer weather.

FIGURE 2 Student authors of the paper "geneDRAGNN: Gene Disease Prioritization using Graph Neural Networks" accepted their best student paper award from Dr. Joseph Brown (Technical Chair; second from left) with team leader Dr. Ting Hu at right.

FIGURE 3 Chiara Gallese, Caro Fuchs, Simone G. Riva, Emanuela Foglia, Fabrizio Schettini, Lucrezia Ferrario, Elena Falletti and Marco S. Nobile. "Predicting and Characterizing Legal Claims of Hospitals with Computational Intelligence: the Legal and Ethical Implications".

FIGURE 4 The banquet at IEEE CIBCB 2022 was a great exchange of thoughts and trivia answers! In memory of Dan Ashlock, we played a variety of his fractal art on the walls during the banquet and enjoyed a game of trivia MC'ed by Gary Fogel that focused on science, Canada, Dan, and general knowledge. In the end, team "Annga Management" was declared the winner of the first ever CIBCB trivia night.

Hallinan of BioThink in Australia to discuss current directions in synthetic biology. Along with the main track, there were three tutorials, three special sessions, and a new workshop on software applications. This year, 64 full papers and 11 short papers were submitted, with authors of these papers coming from 20 different countries and nearly 100 different organizations. All full papers went through a rigorous reviewing process. The final proceedings consisted of 43 full papers and 10 short papers.

The original general chair of IEEE CIBCB 2022 was Daniel Ashlock from the University of Guelph. His unfortunate and untimely passing in April 2022 left the conference organizing committee and IEEE CIS Bioinformatics and Bioengineering Technical Committee devastated. Despite this significant challenge, the organizing committee rallied together to generate a conference in his honour. As the conference was dedicated in his memory, many aspects of his creativity could be found in the artwork and events associated with the conference along with the many coauthors and colleagues who submitted their work.

Along with Dan, Gary Fogel and Sheridan Houghten served as general co-chairs. Gary also served as finance chair while Sheridan also served as proceedings chair. Joseph Brown and James Hughes put in many hours as technical chair and program chair, respectively. Other hard-working members of the organizing committee were web chair Marco Nobile, virtual chair Gonzalo Ruz, publicity chairs Richard Allmendinger, Sansanee Auephanwiriyakul, Gonzalo Ruz, and Matthew Stoodley, tutorial chair Michael Dubé, special sessions chair Amanda Saunders, and local arrangements chairs Yifeng Li and Alain Tchagang. We look forward to seeing you in Eindhoven, Netherlands next year for IEEE CIBCB 2023!