SIGGRAPH 2022

VANCOUVER+ 8-11 AUG

MONDAY, AUGUST 8

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

MONDAY, AUGUST 8

MONITOR 1
8:00AM
Sex and Gender in the Computer Graphics Research Literature

MONITOR 2
8:00AM
Visual Effects Pedagogy: Anti-racism as both visible and invisible attributes

MONITOR 3
8:00AM
The Use of CG in Japanese Animation

MONITOR 4
8:00 – 8:45AM
Frontiers Talks

MONITOR 1
9:00 – 10:30AM
TALKS
Virtual Production

MONITOR 2
9:00AM – 12:00PM
COURSES
An Interactive Introduction to Computer Graphics Techniques Using WebGL

MONITOR 4
8:45 – 9:00AM
Roving Reporter
Daily Preview

MONITOR 1
10:45AM
A Minimalist Social Robot Platform for Promoting Positive Behavior Change Among Children

MONITOR 4
9:00 – 10:15AM
Opening Remarks/ Featured Speaker Sougwen Chung
Seeing Double - Bridging Dualities with Relational Intelligence

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MONDAY, AUGUST 8

MONITOR 1
11:30AM
Character Articulation through Profile Curves

MONITOR 3
11:15AM – 12:15PM
Production Session #1
The VFX of Dune: Bringing an Iconic Story to Life

MONITOR 4
10:15 – 10:45AM
Roving Reporter

MONITOR 1
12:30PM
OSL Shaders in RenderMan

MONITOR 2
12:15PM
Building the Open Metaverse Part 1 and 2

MONITOR 3
12:30PM
Differentiable Cameras and Displays

MONITOR 4
10:45AM – 12:15PM
PANELS
Privacy, Safety and Wellbeing: Solutions for the Metaverse

MONITOR 1
2:15 – 5:15PM
COURSES
Rapid Prototyping of XR Experiences

MONITOR 2
2:15PM
R2E2: Low-latency Path Tracing of Terabyte-scale Scenes Using Thousands of Cloud CPUs

MONITOR 4
12:15 – 2:15PM
Roving Reporter

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MONDAY, AUGUST 8

MONITOR 2
3:15PM
Image Features Influence Reaction Time: A Learned Probabilistic Perceptual Model for Saccade Latency

MONITOR 3
3:30PM
Neural Jacobian Fields

MONITOR 4
2:15 – 3:15PM
Featured Speaker Pat/Ed – Turing Award

MONITOR 2
4:00 –5:30PM
TALKS
Surface Rendering and Lighting

MONITOR 3
4:00PM
Instant Neural Graphics Primitives with a Multiresolution Hash Encoding

MONITOR 4
3:15 - 4:00PM
Joining a portion of session Already in Progress
COURSES
(2:15-5:15 session)
Rapid Prototyping of XR Experiences

MONITOR 1
5:30PM
Onward! Creative Careers in Animation, Computer Graphics, and Interactive Techniques

MONITOR 2
5:45PM
The Champion: Neural Render Case Study

MONITOR 3
4:30PM
CLIPasso: Semantically-Aware Abstract Object Sketching

MONITOR 4
4:00 – 5:00PM
Production Session #2
We Don't Talk About Bruno - An Encanto Musical Sequence Unveiled
(Walt Disney Animation Studios)

SIGGRAPH 2022
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MONDAY, AUGUST 8

MONITOR 2
6:45PM
A Fast Solution for Cubic and Higher-Order Polynomials

MONITOR 3
5:15PM
How We Reconstructed the Neighborhood Destroyed by the Tulsa Race Massacre

MONITOR 4
5:30PM
Differentiable Cameras and Displays

MONITOR 1
7:00PM
Lightyear: Beyond the Infinite

MONITOR 2
7:30PM
Modular Scene Filtering via the Pixar Hydra 2.0 Architecture

MONITOR 3
6:30 – 8:45PM
Electronic Theater

MONITOR 2
8:15PM
Building an Illustrated World in The Bad Guys

SIGGRAPH 2022

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TUESDAY, AUGUST 9

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

TUESDAY, AUGUST 9

MONITOR 1
8:00AM
Holographic Sign Language Interpreters

MONITOR 2
8:00AM
A Fast Solution for Cubic and Higher-Order Polynomials

MONITOR 3
8:00AM
A Minimalist Social Robot Platform for Promoting Positive Behavior Change Among Children

MONITOR 4
8:00 – 8:45AM
Frontiers Talks

MONITOR 1
8:30AM
Below Victory: Subsurface Radar Advances for Creative Digital Heritage

MONITOR 3
8:45AM
R2E2: Low-latency Path Tracing of Terabyte-scale Scenes Using Thousands of Cloud CPUs

MONITOR 4
8:45 – 9:00AM
Roving Reporter Daily Preview

MONITOR 1
9:00 – 10:30AM
TALKS
Engaging FX & Visualization

MONITOR 2
9:00 – 10:30AM
Experience Presentation Convergence
Chair: Yoon Chung Han *(tentative)*

MONITOR 3
9:15AM
Image Features Influence Reaction Time: A Learned Probabilistic Perceptual Model for Saccade Latency

MONITOR 4
9:00 – 10:00AM
Featured Speaker Sarah Bond

SIGGRAPH 2022
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TUESDAY, AUGUST 9

MONITOR 3
9:45AM
Traditional African Dances Preservation Using Deep Learning Techniques

MONITOR 3
10:15AM
Three Stage Drawing Transfer

MONITOR 4
10:15 – 10:45AM
Roving Reporter

MONITOR 1
10:45AM – 12:15PM
TALKS
Pipeline Potpourri

MONITOR 2
10:45AM – 12:15PM
DEI
Accelerate Talent and Cultivate Diversity by a Global Mentorship Program

MONITOR 3
10:45AM
Dissecting My Data Body: How to Know Thyself as a Virtual Reality in the Digital Age

MONITOR 4
10:45AM – 12:15PM
COURSES
(Natasha) Advances in Real-Time Rendering in Games (Live In Person Part I)

SIGGRAPH 2022
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TUESDAY, AUGUST 9

MONITOR 2
12:30PM
Sex and Gender in the Computer Graphics Research Literature

MONITOR 3
11:15AM
In Search of the Plastic Image:
a Media Archaeology of Scan Processing

MONITOR 4
12:15 – 2:15PM
Roving Reporter

MONITOR 1
12:30PM
In Search of the Plastic Image:
a Media Archaeology of Scan Processing

MONITOR 3
11:45AM
Below Victory: Subsurface Radar Advances for Creative Digital Heritage

MONITOR 1
1:00PM
The Champion: Neural Render
Case Study

MONITOR 2
1:15PM
Visual Effects Pedagogy:
Anti-racism as both visible and invisible attributes

MONITOR 3
12:30PM
OSL Shaders in RenderMan

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

TUESDAY, AUGUST 9

MONITOR 1
2:15 – 5:15PM
COURSES
Dynamic Deformables: Implementation and Production Practicalities (Now With Code!)

MONITOR 2
2:15 – 3:45PM
Experience Presentation Emerging Technologies

MONITOR 3
2:15PM
Holographic Sign Language Interpreters

MONITOR 4
2:15 – 3:15PM
Production Session #3 - Netflix & Sony Pictures Imageworks Presents:
"The Sea Beast" (Netflix & Sony)

MONITOR 3
2:45PM
Three Stage Drawing Transfer

MONITOR 4
3:15 – 5:00 PM
Roving Reporter

MONITOR 3
3:45PM
Onward! Creative Careers in Animation, Computer Graphics, and Interactive Techniques

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

TUESDAY, AUGUST 9

MONITOR 1
5:30PM
Lightyear:
Beyond the Infinite

MONITOR 2
4:00 – 5:45PM
TALKS
Face Capture and
Acquisition

MONITOR 3
5:15PM
The Champion:
Neural Render
Case Study

MONITOR 4
5:15PM
Building the
Open Metaverse
Part 1 and 2

MONITOR 2
6:00PM
Modular Scene
Filtering via the Pixar
Hydra 2.0 Architecture

MONITOR 3
6:30 – 8:45PM
Electronic Theater

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

TUESDAY, AUGUST 9

MONITOR 1
7:00PM
Building the Open Metaverse Part 1 and 2

MONITOR 2
7:15PM
Traditional African Dances Preservation Using Deep Learning Techniques

MONITOR 3

MONITOR 4
7:00PM
OSL Shaders in RenderMan

MONITOR 2
7:45PM
Character Articulation through Profile Curves

SIGGRAPH 2022

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WEDNESDAY, AUGUST 10

SIGGRAPH 2022
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WEDNESDAY, AUGUST 10

MONITOR 1
8:00AM
CLIPasso: Semantically-Aware Abstract Object Sketching

MONITOR 2
8:00 – 8:45AM
Frontiers Talks

MONITOR 3
8:00AM
R2E2: Low-latency Path Tracing of Terabyte-scale Scenes Using Thousands of Cloud CPUs

MONITOR 4
8:00AM
Sex and Gender in the Computer Graphics Research Literature

MONITOR 1
8:30AM
Instant Neural Graphics Primitives with a Multiresolution Hash Encoding

MONITOR 2
9:00 – 10:30AM
Award Talks

MONITOR 3
8:30AM
Holographic Sign Language Interpreters

MONITOR 4
8:45 - 9:00AM
Roving Reporter Daily Preview

MONITOR 1
9:00AM – 12:00PM
COURSES
The Open Metaverse Part 1

MONITOR 3
9:00AM
Image Features Influence Reaction Time: A Learned Probabilistic Perceptual Model for Saccade Latency

MONITOR 4
9:00 - 10:00AM
Sponsored Exhibitor Featured Speakers

WEDNESDAY, AUGUST 10

MONITOR 1
12:15PM
OSL Shaders in RenderMan

MONITOR 2
10:45AM – 12:15PM
TALKS
Applying Intelligence: AI and ML

MONITOR 3
9:30AM
Lightyear: Beyond the Infinite

MONITOR 4
10:00AM – 12:00PM
Joining session in progress

COURSES
the Open Metaverse Part 1

MONITOR 2
12:30PM
The Champion: Neural Render Case Study

MONITOR 3
11:15AM – 12:15PM
Production Session #4
Wētā FX Presents The Batman (Wētā FX)

MONITOR 3
12:30PM
Building the Open Metaverse Part 1 and 2

MONITOR 4
12:30 – 2:15PM
Roving Reporter

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

WEDNESDAY, AUGUST 10

MONITOR 1
2:15 – 5:00PM
COURSES
The Open Metaverse Part 2

MONITOR 2
2:15 – 5:15PM
Experience Presentation
Immersive Pavilion

MONITOR 3
2:30PM
Below Victory: Subsurface Radar Advances for Creative Digital Heritage

MONITOR 4
2:15– 3:15PM
Sponsored Exhibitor Featured Speakers

MONITOR 2
3:30PM
The Use of CG in Japanese Animation

MONITOR 3
3:00PM
Building an Illustrated World in The Bad Guys

MONITOR 4
3:15 – 500PM
Roving Reporter

MONITOR 1
5:15PM
Onward! Creative Careers in Animation, Computer Graphics, and Interactive Techniques

MONITOR 3
3:45PM
A Minimalist Social Robot Platform for Promoting Positive Behavior Change Among Children

WEDNESDAY, AUGUST 10

MONITOR 3
4:30PM
Character Articulation through Profile Curves

MONITOR 3
5:00PM
Neural Jacobian Fields

MONITOR 4
5:00 – 6:45PM
Real-Time Live!

MONITOR 3
5:30PM
Traditional African Dances Preservation Using Deep Learning Techniques

MONITOR 3

6:00PM

Dissecting My Data Body: How to Know Thyself as a Virtual Reality in the Digital Age

SIGGRAPH 2022

VANCOUVER+ 8-11 AUG

THURSDAY, AUGUST 11

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

THURSDAY, AUGUST 11

MONITOR 1
8:00AM
In Search of the Plastic Image: a Media Archaeology of Scan Processing

MONITOR 2
8:00AM
Image Features Influence Reaction Time: A Learned Probabilistic Perceptual Model for Saccade Latency

MONITOR 3
8:00AM
R2E2: Low-latency Path Tracing of Terabyte-scale Scenes Using Thousands of Cloud CPUs

MONITOR 4
8:00 – 8:45AM
Frontiers Talks

MONITOR 1
8:30AM
Instant Neural Graphics Primitives with a Multiresolution Hash Encoding

MONITOR 2
8:30AM
CLIPasso: Semantically-Aware Abstract Object Sketching

MONITOR 3
8:30AM
Holographic Sign Language Interpreters

MONITOR 4
8:45 - 9:00AM
Roving Reporter Daily Preview

MONITOR 1
9:00 – 10:30AM
Real-Time Live! Contributor Panel

MONITOR 2
9:00AM – 12:00PM
COURSES
Computational Design of Robots

MONITOR 3
9:00AM
Below Victory: Subsurface Radar Advances for Creative Digital Heritage

MONITOR 4
9:00 – 10:00AM
Sponsored Exhibitor Featured Speakers
James Knight
The Collision of Technology and Art

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

THURSDAY, AUGUST 11

MONITOR 1
10:45AM – 12:15PM
TALKS
LookDev and Procedural Patchwork

MONITOR 3
10:15AM
Visual Effects Pedagogy: Anti-racism as both visible and invisible attributes

MONITOR 4
10:00 – 11:00AM
Roving Reporter

MONITOR 1
12:30PM
Lightyear: Beyond the Infinite

MONITOR 2
12:15PM
Three Stage Drawing Transfer

MONITOR 3
11:00AM
Traditional African Dances Preservation Using Deep Learning Techniques

MONITOR 4
11:00AM – 12:00PM
Production Session #5
Filmmaking Fever Dream: Crafting "Turning Red" (Pixar Animation Studio)

MONITOR 2
12:45PM
The Champion: Neural Render Case Study

MONITOR 3
11:30AM
Neural Jacobian Fields

MONITOR 4
12:00 – 2:15PM
Roving Reporter
Final Content Block

SIGGRAPH 2022
VANCOUVER+ 8-11 AUG

THURSDAY, AUGUST 11

MONITOR 3
12:15PM
CLIPasso: Semantically-Aware Abstract Object Sketching

MONITOR 1
2:15 - 5:15PM
Natasha Advances in Real-Time Rendering in Games *(Live In Person Part II)*

MONITOR 2
2:00PM
Visual Effects Pedagogy: Anti-racism as both visible and invisible attributes

MONITOR 3
12:45PM
Differentiable Cameras and Displays

MONITOR 4
2:15 – 3:45PM
Featured Speaker: Ime Archibong & Closing Session

MONITOR 2
2:45PM
How We Reconstructed the Neighborhood Destroyed by the Tulsa Race Massacre

THURSDAY, AUGUST 11

MONITOR 3
3:45PM
Sex and Gender in the Computer Graphics Research Literature

MONITOR 2
4:00 – 5:30PM
TALKS
Simulation Sampler

MONITOR 4
4:00PM
Modular Scene Filtering via the Pixar Hydra 2.0 Architecture

MONITOR 3
4:30PM
A Fast Solution for Cubic and Higher-Order Polynomials

MONITOR 4
4:45PM
Dissecting My Data Body: How to Know Thyself as a Virtual Reality in the Digital Age