Where to Find More Information about Computer Graphics and Related Topics

Mike Bailey
Oregon State University

1. References

1.1 General Computer Graphics

SIGGRAPH Online Bibliography Database:
http://www.siggraph.org/learn/computer-graphics-bibliography-database


SIGGRAPH Conference Final program.

1.2 Vulkan


1.3 Math and Geometry


1.4 Scientific Visualization


### 1.5 Shaders


http://www.clockworkcoders.com/oglsl

1.6 Gaming

http://gamedeveloper.texterity.com/gamedeveloper/fall2011cg#pg1


http://www.gamedev.net

http://www.gamasutra.net
1.7 Color and Perception


1.8 Rendering


1.9 Images


1.10 Animation


1.11 Virtual Reality


1.12 Web


Don Brutzman and Leonard Daly, *X3D: Extensible 3D Graphics for Web Authors*, Morgan Kaufmann, 2007


1.13 Stereographics


1.14 Graphics Miscellaneous


Kaufmann, 2005.

1.15 Software Engineering

Erich Gamma, Richard Helm, Ralph Johnson, and John M. Vlissides, *Design Patterns: Elements of Reusable Object-Oriented Software*, Addison-Wesley, 1994.

1.16 Parallel Programming


Benedict Gaster, Lee Howes, David Kaeli, Perhaad Mistry, and Dana Schaa, *Heterogeneous Computing*


Ian Foster, *Designing and Building Parallel Programs*, Addison-Wesley, 1995.

2. Periodicals

*Computer Graphics and Applications*: published by IEEE
(http://www.computer.org, 714-821-8380)

*Computer Graphics World*: published by Pennwell
(http://www.cgw.com, 603-891-0123)

*Journal of Graphics, GPU, and Game Tools*: published by Taylor Francis
(http://www.akpeters.com, 617-235-2210)

*Journal of Computer Graphics Techniques*
(http://jcgt.org)

*Computer Graphics Quarterly*: published by ACM SIGGRAPH
(http://www.siggraph.org, 212-869-7440)

*Computer Graphics Forum*: published by Eurographics
(http://www.eg.org/EG/Publications/CGF)

*Computers & Graphics*, published by Elsevier
(http://www.elsevier.com/locate/cag)

*Transactions on Visualization and Computer Graphics*: published by IEEE
(http://www.computer.org, 714-821-8380)
3. Professional organizations

ACM ...............Association for Computing Machinery
http://www.acm.org
212-869-7440

SIGGRAPH ..... ACM Special Interest Group on Computer Graphics
http://www.siggraph.org
212-869-7440

SIGCHI .......... ACM Special Interest Group on Computer-Human Interfaces
http://www.acm.org/sigchi
212-869-7440

SIGHPC .......... ACM Special Interest Group on High-Performance Computing
http://sighpc.org
212-869-7440

EuroGraphics ... European Association for Computer Graphics
http://www.eg.org
Fax: +41-22-757-0318

IEEE ............... Institute of Electrical and Electronic Engineers
http://www.computer.org
202-371-0101

IGDA .......... International Game Developers Association
http://www.igda.org
856-423-2990

NAB ............... National Association of Broadcasters
http://www.nab.org
800-521-8624

ASME ............. American Society of Mechanical Engineers
http://www.asme.org
800-THE-ASME

4. Upcoming Conferences

ACM SIGGRAPH:
2018:  Vancouver, BC – August 12-16
http://s2018.siggraph.org
2019:  Los Angeles, CA – July 29-August 2
2021: Washington, DC – July 19-23

ACM SIGGRAPH Asia:
2018: Tokyo – December 4-7
http://sa2018.siggraph.org/

Interactive 3D Graphics and Games (i3D):
2018: Montreal, Canada – May 15-18
http://i3dsymposium.github.io/2018/

ACM SIGCHI:
2018: Montreal – April 21-26
http://www.sigchi.org

SC: International Conference for High Performance Computing, Networking, Storage, and Analysis:
2018: Dallas, TX -- November 11-16
http://sc18.supercomputing.org

OpenMPCon:
2018 Stony Brook University, Long Island, NY -- ??
http://openmpcon.org

IEEE Visualization:
2018: Berlin, Germany – October 21-26
http://ieeevis.org

Eurographics
2018: Delft, The Netherlands -- April 16-20
http://www.eg.org

Game Developers Conference:
2018: San Francisco, CA – March 19-23
http://www.gdconf.com

E3Expo
2018: Los Angeles, CA – June 12-14
http://www.e3expo.com

PAX (Penny Arcade Expo)
2018: Seattle, WA – August 31 – September 3
http://www.paxsite.com

ASME International Design Engineering Technical Conferences (includes the Computers and Information in Engineering conference):
2018: Quebec City, Canada – August 26-29
https://www.asme.org/events/idetccie

National Association of Broadcasters (NAB):
2018: Las Vegas, NV – April 7-12
http://www.nab.org