

Tafelmusik

Baroque Orchestra

Jeanne Lamon, Music Director

THE GALILEO PROJECT: MUSIC OF THE SPHERES

IMAGE CREDITS

We are deeply grateful to Alan Dyer for making a stunning collection of his images available for this concert, and to the Canadian Planetarium Consortium for the use of their Galileo animations.

1. The Pleiades in Taurus: *Stuart Heggie*
 2. Full Moon: *Alan Dyer*
 3. Owl and Night Sky: *A. Dyer*
- Palace of the Sun Montage*
4. A Perfect Storm of Turbulent Gases: *ESA/NASA/Jeff Hester (Arizona State University)*
 5. Light and Shadow in the Carina Nebula: *NASA/ESA, The Hubble Heritage Team (AURA/STScI)*
 6. Giant “Twisters” in the Lagoon Nebula: *A. Caulet (ST-ECF, ESA) & NASA*
 7. The Eagle Nebula: *J. Hester & Paul Scowen (Arizona State University), NASA/ESA*
 8. New Stars Shed Light on the Past: *NASA, ESA & The Hubble Heritage Team, STScI-ESA/HUBBLE Collaboration*
 9. Demise in Ice and Fire: *ESA/NASA & Albert Zijstra*
 10. Orion in Miniature: *NASA, ESA, M. Robberto (STScI/ESA) & The Hubble Space Telescope Orion Treasury Project Team*
 11. Starburst Galaxy Messier 82: *NASA, ESA & The Hubble Heritage Team (AURA/STScI). J. Gallagher (University of Wisconsin), M. Mountain (STScI) & P. Puxley (NSF)*
 12. Hubble’s Sharpest View of the Orion Nebula: *NASA, ESA, M. Robberto (STScI/ESA) & The Hubble Space Orion Treasury Project Team*
 13. Journey to the Centre of the Sun: *ESA/Hubble (M. Kornmesser & L.L. Christensen)*
 14. Venus and Moon: *A. Dyer*
 15. Summer Solstice Twilight: *A. Dyer*
 16. Big Dipper over Castle Mountain: *A. Dyer*
 17. Orion’s Belt: *A. Dyer*
 18. Orion over Lake Louise: *A. Dyer*

19. Great Balls of Fire: *Yves Grosidier (Université de Montréal & Observatoire de Strasbourg), Anthony Moffat (Université de Montréal), Gill Joncas (Université Laval), Agnes Acker (Observatoire de Strasbourg) & NASA/ESA*
20. Zooming on the Veil Nebula: *ESA/Hubble (M. Kornmesser & L.L. Christensen), NOAO, A. Fujii*
21. Red Giant Sun: *ESA/Hubble (M. Kornmesser & L.L. Christensen)*
22. Star Cluster: *ESA/Hubble (M. Kornmesser & L.L. Christensen)*
23. Comet Hale-Bopp: *A. Dyer*
24. Comet Hale-Bopp and Owl: *A. Dyer*
25. Comet McNaught: *A. Dyer*
26. Clock Face, San Marco Venice: *iStock photo*
27. Glowing Eye of Nebula NGC 6751: *NASA/ESA, The Hubble Heritage Team (AURA/STScI)*
28. Eye Looking through Lens: *Ben Chaisson*
29. Moon Page Video: *Canadian Planetarium Consortium*
30. Central Milky Way: *A. Dyer*
31. Orion M42: *A. Dyer*
32. Galileo Moon Page Video: *Canadian Planetarium Consortium*
33. Jupiter and Moons: *A. Dyer*
34. Rare Triple Eclipse on Jupiter: *NASA, ESA & E. Karkoschka (University of Arizona)*
35. Kepler's Supernova Remnant: *NASA, ESA, The Hubble Heritage Team (AURA/STScI)*
36. Double Star Cluster: *NASA, ESA & Martino Romaniello (European Southern Observatory, Germany)*
37. Full Moon: *A. Dyer*
38. Last Quarter Moon: *A. Dyer*
39. Portrait of Galileo, Justus Sustermans, 1631: *Art Resource*
40. Zooming in on Orion: *ESA/Hubble, Rob Gendler & Akira Fujii*
41. Triangulum Galaxy: *Stuar Heggie*
42. Intermission Image – Pismis 24: *ESA/Hubble & Jesús Maz Apellóniz (Instituto de astrofísica de Andalucía, Spain)*
43. Wide Field View of the Perseus Constellation: *A. Fujii*
44. Orion Rising: *A. Dyer*
45. Earth Rotating: *ESA/Hubble (M. Kornmesser & L.L. Christensen)*
46. Crab Nebula: *NASA, ESA & Allison Loll/J. Hester (Arizona State University)*
Acknowledgement: Davide De Martin (ESA/Hubble)
47. Portrait of Isaac Newton: *Art Resource*
48. Complete View of Jupiter with Auroras: *John Clarke (University of Michigan) & NASA/ESA*
49. Red Spots on Jupiter: *NASA, ESA & M. Wong & I. de Pater (University of California, Berkeley)*
50. Hubble Monitors Jupiter: *NASA/ESA, The Hubble Heritage Team Acknowledgement: H. Weaver (The Johns Hopkins University Applied Physics Laboratory) & A. Simon-Miller (NASA/GSFC)*
51. Transit of Mercury: *A. Dyer*

52. Venus Cloud Tops: *L. Esposito (University of Colorado, Boulder) & NASA/ESA*
53. Saturn in Natural Colours: *Hubble Heritage Team (AURA /STScI / NASA / ESA)*
54. A Zoom into the Heart of Comet Holmes: *A. Fujii, A. Dyer, NASA, ESA & H. Weaver (The Johns Hopkins University Applied Physics Laboratory)*
55. Extreme Star Cluster: *NASA, ESA & The Hubble Heritage Team (STScI/AURA) – ESA/Hubble Collaboration*
56. Nicolaus Copernicus: *B. Chaisson*
57. Galileo Galilei: *B. Chaisson*
58. Isaac Newton: *B. Chaisson*
59. Johannes Kepler: *B. Chaisson*
60. Venus Rising in Winter Sky: *A. Dyer*
- Final Image Sequence*
61. Ghost Head Nebula: *ESA, NASA & Mohammad Heydari-Malayeri (Observatoire de Paris, France)*
62. Stellar Fireworks: *NASA, ESA, A. Aloisi (STScI/ESA) & The Hubble Heritage Team (STScI/AURA) – ESA / Hubble Collaboration*
63. Eta Carinae: *J. Hester (Arizona State University), NASA/ESA*
64. Cassiopeia: *NASA, ESA & The Hubble Heritage Team (STScI/AURA) – ESA/Hubble Collaboration. Acknowledgement: Robert A. Fesen (Dartmouth College) & James Long (ESA/Hubble)*
65. Monocerotis: *NASA, The Hubble Heritage Team (AURA/STScI) & ESA*
66. Nebula NGC 2392: *NASA, ESA, Andrew Fruchter (STScI) & The Early Release Observations Team (STScI & ST-ECF)*
67. Uncovering the Veil Nebula: *NASA, ESA & The Hubble Heritage Team (STScI/AURA) – ESA/Hubble Collaboration. Acknowledgement: J. Hester (Arizona State University)*
- Final Video Sequence*
68. Zoom on Pismis 24-1: *Credit: Akira Fujii, Digitized Sky Survey 2, Robert Gendler & Martin Pugh (www.robgendlerastropics.com), www.astroworks.com & ESA/Hubble*
69. Galaxy: *ESA/Hubble (M. Kornmesser & L.L. Christensen)*
70. Star Cluster: *ESA/Hubble (M. Kornmesser & L.L. Christensen)*
71. *Final Image – Pinwheel Galaxy: ESA & NASA*
72. *Post-Concert Image – Galaxy NGC 253: Carnegie Institution of Washington*

Abbreviations

ESA	European Space Agency
NASA	National Aeronautics and Space Administration
STScI	Space Telescope Science Institute
AURA	Association of Universities for Research in Astronomy
ST-ECF	Space Telescope – European Coordinating Facility
NSF	National Science Foundation
NOAO	National Optical Astronomy Observatory
GSFC	Goddard Space Flight Center