NASA Human Health and Performance Center (NHHPC)

International Space Medicine Summit IV
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Exploring Space, Enhancing Life
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- **Purpose** – the NHHPC provides a collaborative forum to integrate all disciplines of the human system

- **Scope**
  - Suborbital, orbital and beyond LEO space flight
  - Aviation
  - Terrestrial human health and performance issues
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- **Benefits**
  - Facilitate collaborative projects between participants
    - Leverage resources for projects too large for any one participant
  - Collect, integrate, disseminate knowledge
  - Assess and promote innovative models for research and technology development
    - Open innovation approaches
  - Provide effective virtual and in-person workshops and conferences

- **Themes (just examples)**
  - Health
  - Performance
  - Environment
  - Commercial Space
  - Education

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Potential members and participants

- NASA centers
  - JSC, Ames, Glenn beginning to integrate
- NASA programs
  - Human Research Program
- Space flight agencies
- Other government agencies
  - FAA Office of Commercial Space Transportation
  - NIH, NIST, NSF
- Academia
  - NSBRI
  - UTMB
- Industry
  - Commercial space flight

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• Administration
  • Jointly sponsored by Space Operations and Exploration Systems Mission Directorates

• Team
  • Director, JSC (Jeff Davis)
  • Deputy Director, ARC (Carol Carroll)
  • Executive Secretary
  • Executive Council from members

• Location
  • JSC
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• Current activities
  • Charter under review at ESMD and SOMD, approved by JSC, ARC and Chief Health and Medical Officer
  • Budget request for 2011
    • For administration, not a funding entity
  • Initial meeting for ISS utilization collaboration May 6 – JSC, ARC and GRC
    • Successfully integrated 3 proposals for ISS
  • Co-sponsored workshop with the FAA about the human system for commercial space operators
  • Life Sciences Academy at JSC
  • Initial operations planned September 2010

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