HEPCON - A CROSS-PLATFORM MOBILE APPLICATION FOR HEP EVENTS

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MOTIVATION

- **Simplify HEP event organization and participation by offering:**
  - **Instant Indico Synchronization**
  - **Additional Data Sources (e.g., show various locations)**
  - **Working Offline**
  - **Support for the major mobile platforms iOS and Android**
• Xamarin
• Good design and look inherited from Xamarin Evolve 2016
• Written in C#, 90% shared codebase between iOS & Android
NATIVE LOOK & FEEL. IOS

HEPCon Feed

23rd INTERNATIONAL CONFERENCE ON COMPUTING IN HIGH ENERGY AND NUCLEAR PHYSICS
6-13 July 2018, National Palace of Culture, Sofia, Bulgaria

ANNOUNCEMENTS
You can find useful travel information at http://chep2018.org/venue
15 days ago

PERSONAL UPCOMING FAVORITES
Welcome Opening
8:00 AM–8:15 AM

Integrated HPC Infrastructure for the Research Communities in South-East Europe
Emanouil Tanasov
8:15 AM–8:45 AM

Conferences (572) - CHEP2018
Filter

July 9, 9:00 AM
Welcome Opening

July 9, 9:15 AM
Integrated HPC Infrastructure for the Research Communities in South-East Europe
Emanouil Tanasov

July 9, 9:45 AM
HNSciCloud, a Hybrid

Points of Interest
National Palace of Culture
Conference Center
Bulgaria blvd., 1463 Sofia, Bulgaria

Hilton Sofia
PyHEP Workshop Venue
Bulevard "Bulgaria" 1, 1421 g.k. Lozenets, Sofia

Central Military Club
Welcome Party
Tsar Osvoboditel Blvd 7, Sofia

Efe Hall, Hotel Marinela
Conference Dinner
83 James Bouchier Blvd, 1407 g.k. Lozenets, Sofia, Bulgaria

Terminal 1, Sofia Airport
CONTRIBUTIONS

• List of Contributions
• Contribution Info
  • Title, Speaker(s), Date Time, Location, Favorite, Add to Calendar, Rating, Abstract
• Favorites
• Filters
  • Show Past Sessions
  • Show Only Favorites
  • Show Only Specific Categories
• Rating
IMPLEMENTATION

- **MVVM PATTERN**
- **MODELS**
  - SQLITE
- **VIEW MODELS**
  - COMMANDS
- **VIEWS**
  - XML/XAML
GOING BEYOND CHEP 2018

- **List of conferences available for load**
- **HEPCON was used by LHCP2018**
  - **Very positive feedback**
  - **We had a few requests**
- **HEPCON will be used by TOP2018**
REGISTER YOUR OWN CONFERENCE IN HEPCON

Open a pull request in the vgvassilev/hepcon-config GitHub repository

- **Register your Indico event in events.xml** — tells HEPCON to offer a given event
- **Tweak it further in event_devails/{indico_event_id}.xml** — tells HEPCON what extra data to display such as notifications and venue locations which are not available in a structural form in Indico
FUTURE PLANS

• **We have plans**
  • Push notification
  • Login
  • Chat rooms
  • Automatic additional info merge
  • Conveners View (stopwatch etc)
  • Auto Submitting Travel Requests, Receipts and other documents necessary for reimbursements
  • Auto select conference to load
  • Other data sources

• **Project sustainability**

• **BoF on Feature Requests on Thu afternoon.**
THANK YOU!