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Abstract for an Invited Paper  
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**The 5th IUPAP International Conference on Women in Physics: Making progress in the number of women in physics around the world<sup>1</sup>**

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A short report on the 5th IUPAP International Conference on Women in Physics (ICWIP) will be presented. In particular, a summary of the structure of the 5th ICWIP that occurred in Waterloo, Canada in August 2014 will be provided and placed into context of the previous four conferences. In addition, a synopsis of the recent efforts that are happening around the world to encourage girls and women to participate in physics will be given. Several US projects have been very successful in introducing girls to science and physics (e.g., “Expanding Your Horizons” intervention) and encouraging undergraduate women physics majors to continue into physics careers (e.g., Conferences for Undergraduate Women in Physics). Projects from other countries, such as the Juno Project in the UK that rates physics departments on their climate for women, might be implemented by US physics professional societies as well as colleges and universities. Several projects originating from the conference will be described: the new “HERstories: Encouraging words from women in physics” video based on interviews with delegates of the Conference, the My STEM Story project (<http://mystemstory.wlu.ca>), and the proceedings of the conference.

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