# PIDs and Metadata



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USA

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## Employment (3)



### Wayne Enterprises: Gotham City, New Jersey, USA

1939-03-30 to present I CEO, Co-Owner Show more detail Employment Source: Bruce Wayne

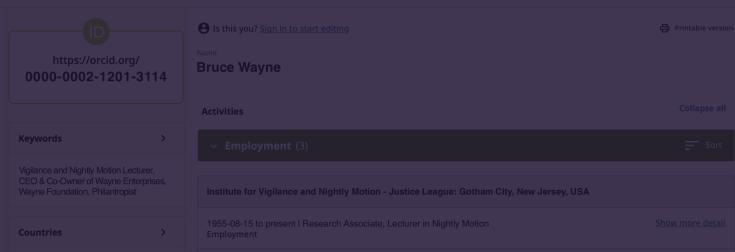
#### Wayne Foundation Gotham City, New Jersey, USA

1945-04-01 to present I General Secretary Show more detail **Employment** 











The ORCiD ID is a unique and persistent identifier for researchers, that comes with a set of professionally relevant information about the person.

? Help





**The ORCID iD**: a unique, persistent identifier free of charge to researchers

Wayne Foundation Software City, New January, USA

A C1 to present I Sement Secretary

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An ORCID record connected to the ORCID iD, and



A set of **Application Programming Interfaces (APIs)**, as well as the services and support of communities of practice that enable interoperability between an ORCID record and member organizations so researchers can choose to allow connection of their iD with their affiliations and contributions

.

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### PIDs can be used as identifiers



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ORCiD Metadata
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### PIDs can be used as identifiers

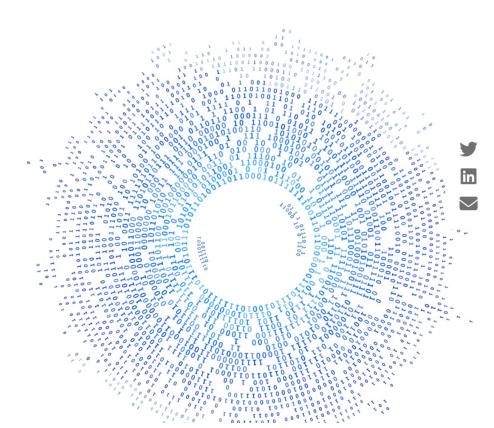


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ORCiD Metadata
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### PIDs can be used as identifiers





updated metadata record.



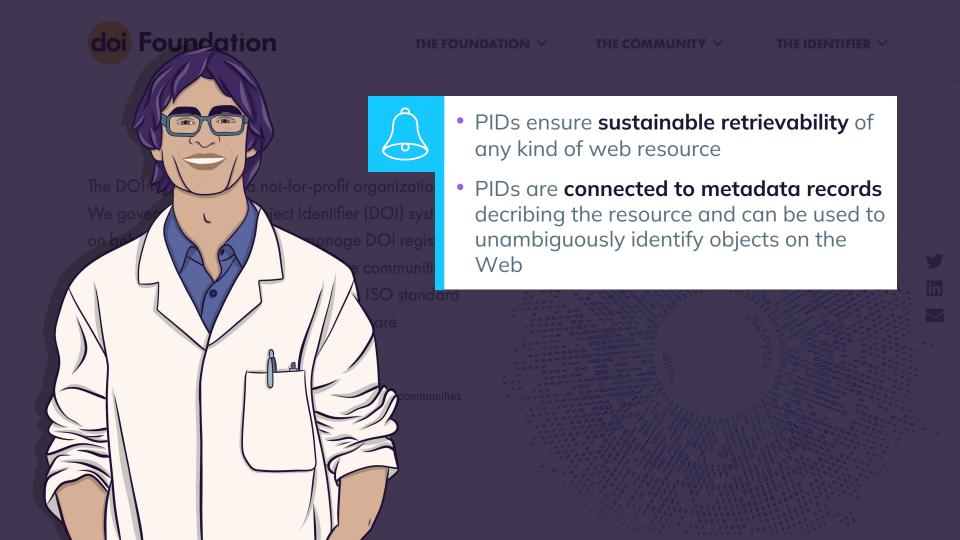
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- PIDs ensure sustainable retrievability of any kind of web resource
- PIDs are connected to metadata records decribing the resource and can be used to unambiguously identify objects on the Web





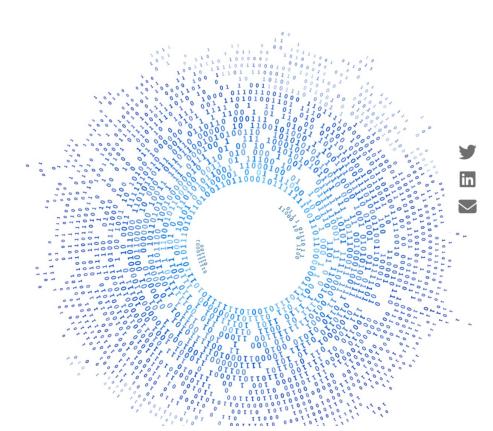




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#### Collective Motion of Humans in Mosh and Circle Pits at Heavy Metal Concerts

Jesse L. Silverberg,\* Matthew Bierbaum, James P. Sethna, and Itai Cohen

Department of Physics and Laboratory of Atomic and Solid State Physics, Cornell University, Ithaca, New York 14853, USA

Human collective behavior can vary from calm to panicked depending on social context. Using videos publicly available online, we study the highly energized collective motion of attendees at heavy metal concerts. We find these extreme social gatherings generate similarly extreme behaviors: a disordered gaslike state called a *mosh pit* and an ordered vortexlike state called a *circle pit*. Both phenomena are reproduced in flocking simulations demonstrating that human collective behavior is consistent with the predictions of simplified models.

(Received 13 February 2013; published 29 May 2013)

DOI: 10.1103/PhysRevLett.110.228701 PACS numbers: 89.65.Ef, 47.32.-y, 87.15.Zg, 87.23.Cc

Human collective behaviors vary considerably with social context. For example, lane formation in pedestrian traffic [1], jamming during escape panic [2], and Mexican waves at sporting events [3] are emergent phenomena that have been observed in specific social settings. Here, we study large crowds (10<sup>2</sup>–10<sup>5</sup> attendees) of people under the extreme conditions typically found at heavy metal concerts [4]. Often resulting in injuries [5], the collective mood is influenced by the combination of loud (130 dB [6]), fast

Fig. 2, the decay length was  $0.39 \pm 0.03$  m, which is approximately human shoulder width. Taken together, these findings offer strong support for the analogy between mosh pits and gases. As a further check, we examined the 2D speed distribution. Previous observations of human pedestrian traffic and escape panic led us to expect a broad distribution not well described by simple analytic expressions [2,13]. However, the measured speed distribution in mosh pits was well fit by the 2D Maxwell-Boltzmann



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PID Records

    are stored at the PID resolver

    hold machine-readable information

 support machine-actionability for
 interoperability
```



### **DISCLAIMER**

This slide deck is part of the Lesson

#### <u>Fundamentals of Scientific Metadata:</u> <u>Why Context Matters</u>

published on **The Carpentries Incubator**.

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You can find more information about this course on **Github**.



image:

https://c.pxhere.com/photos/35/f5/coffee\_notebook\_wooden\_background\_orange\_work\_table\_office-1222115.jpg!d