# III Developers Workshop on the Conley-Morse Database Project

# Program

## Thursday, February 09

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| **3:00PM** | **Konstantin Mischaikow** | Introductory Remarks |
| **4:00PM** | **Shaun Harker** | The Database Software: Current Status |
| **5:00PM - 8:00PM** | | Discussion |

## Friday, February 10

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| **10:00AM** | **Kyoko Makino** | Taylor model computations for dynamical systems |
| **11:00AM** | **Martin Berz** | Implementation of high-precision Taylor models |
| **12:00PM - 1:00PM** | | Discussion |
| **3:00PM** | **Tomoyuki Miyaji** | Some remarks about Taylor model computations |
| **4:00PM - 8:00PM** | | Discussion |

## Saturday, February 11

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| **10:00AM** | **Hiroshi Kokubu** | On the Conley-Morse graph computation for a coupled system of quintic Van der Pol oscillators: an attempt |
| **11:00AM** | **Ippei Obayashi** | Database computation for a system of three-dimensional coupled logistic maps |
| **12:00PM - 1:00PM** | | Discussion |
| **3:00PM** | **Pawel Pilarczyk** | On the computation of the cohomological Conley index from a cubical representation of the index map that is not acyclic |
| **4:00PM** | **Marcio Gameiro** | On non-rigorous Conley-Morse graph computation for ODEs |
| **5:00PM - 7:00PM** | | Discussion |
| **7:00PM** | **Konstantin Mischaikow** | The Database Software: Future Directions |