Constraint Programming is a multi-disciplinary field, with contributions from AI, OR, Programming Languages, Constraint Databases, etc. However, much of the work in CP can be viewed as part of AI and/or interacting with AI. I have long documented and advocated these connections (see references below). At this moment, when AI is experiencing a resurgence of interest and attention, it is especially timely to consider ways in which these connections can be promoted and publicized.

This Workshop will provide time to discuss issues such as:

- Encouraging the use of CP in AI and vice versa
- Increasing the visibility of CP within AI
- Engaging with "hot topics" such as deep learning and ethical/beneficial AI
- Interesting industry in the AI implications of CP
- Forming collaborative networks or "virtual laboratories" to address grand challenges that engage with AI and capture the popular imagination.

There are many practical steps we can consider to further these interests. Ideally we can begin to recruit specific individuals or teams to take the lead in pursuing some of these opportunities, perhaps with the assistance of the ACP. For example:

- Workshops, tutorials, panels, papers, invited talks, exhibits at general or specialized CP or AI conferences
- Special issues, survey papers
- Articles in New Scientist, popular press
- AAAI Senior Member Track
- Seminars, summer schools
- Press releases, interviews, podcasts
- Websites
- Blogs

SIGs
- Bibliographies
- Contributions to AI textbooks, AITopics, Semantic Scholar, Wikipedia
- Course materials, YouTube lectures
- Industry seminars, workshops, visits, short courses, “marketing materials”
- Grant proposals
- Grand challenges, inter-disciplinary projects

References