**FINAL COLLOQUIUM**:

*The list of issues*

1. How do we define artificial intelligence (AI)?
2. What is the era when reality can be predicted, simulated and approximated?
3. What are the reasons that revolutionized the sciences?
4. How AI may augment human reason?
5. How do we come to see ourselves and our role in the world?
6. What tasks have humans started entrusting to AI?
7. What human qualities outperform AI? What human qualities will this age celebrate?
8. What are the traditional ways by which people have known the world? How does AI adds the third?
9. How does AI challenge self-perception?
10. What is the place to agency, centrality and monopoly in respect to complex intelligence?
11. How do generative models started challenging the belief that sentence completion is distinct from writing?
12. How do societies adapt to AI? What are two basic options and how are they conducted?
13. What are the major principles of human-AI collaboration?
14. What is the human role in AI age?
15. What are the new paradigms of scientific understanding with respect to AI?
16. What are the major distinctions between ‘digital natives’ and other generations?
17. How AI has been applied to the practice of medicine and to health care more broadly?
18. What are the factors that have driven the current wave of interest in AI methods?
19. Considering the current state of progress, where is research and development most urgently needed in the field and why?
20. What are the roots of artificial intelligence in human history, before the general introduction of digital computers?
21. How did computer science emerge as an academic and research discipline and how was AI identified as a component of that revolution?
22. How did a medical focus on AI applications emerge from the early general principles of the field?
23. How did the field of cognitive science influence early work on AI in Medicine (AIM) and how have those synergies evolved to the present?
24. What were the early medical applications of AI and how were they received in the clinical and medical research communities?
25. To what extent are the early problems and methods developed by early AIM researchers still relevant today?
26. How might we anticipate the further evolution of AI in medicine in light of the way the field has evolved to date and its likely trajectory?
27. What are the Human Factors of AI in Healthcare?
28. What is the safety of AI in Healthcare? What are the Technology-Induced Errors in Healthcare and AI Safety?
29. What are the limitations of ML methods in medicine?
30. What are the social challenges that we face by implementing AI in health care settings?
31. What are the approaches to the ethics of AI with considerations to privacy and safety?
32. What are the trends in quality and safety research within the healthcare field?
33. What is an adverse event and what are the ways to tackle by means of ML?
34. What is the concept of a shared decision-making?
35. What are the major domains of AI?
36. AI and reliance on data: what are the major difficulties?
37. What are the criteria that drive technology innovation?
38. Explain medicalization of life as an approach.
39. What so the terms ‘learning’ and ’intelligence’ mean in relation to AI?
40. What expectations of the past influence the present of AI?
41. What are the major ways the AI is changing healthcare and health?
42. What is an electronic health records? How do they affect the patient-provider relationship?
43. Provide a brief overview of the study of inequalities and AI.
44. What is the politics of algorithms, data and code?
45. What are the inequalities that are highly likely to be made more durable by AI?
46. AI as a social phenomenon: provide a brief overview of the wider social, cultural, economic and political conditions.
47. How could improper AI hurt health systems?
48. What are typical cybersecurity vulnerabilities due to AI implementation in healthcare?
49. What is the influence of AI on human skills?
50. What are the factors to take into account for AI application evaluation?
51. What are the ways to empower patients and caregivers by AI applications?
52. What are typical cybersecurity vulnerabilities due to AI implementation in healthcare?
53. What is the influence of AI on human skills?
54. What are the ways to empower patients and caregivers by AI applications?
55. What are major approaches to understanding health behavior?
56. What are the approaches to analyze the trust of the Internet?
57. What are the traditional digital divide factors? Why are they included in the method?
58. What are the major characteristics and requirements of the doctor-patient communication in the XXI?
59. What are the approached to explainable AI, whom should the technology be explained?
60. What are the approached to build trust to the machines?